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ABSTRACT

This bibliography provides selected references on apprenticeships published between 1974 and 1979. References included were obtained from a search of the card catalog of the Department of Labor library, standard periodical indexes, and other reference sources such as Educational Resources Information Center and the National Technical Information Service. The bibliography is divided into 11 sections: general books and pamphlets, general articles and papers, standards for apprenticeship, state apprenticeship programs, descriptions of individual apprentice programs, minority and disadvantaged groups in apprenticeship, women in apprenticeship, apprenticeship contests, miscellaneous brief articles, apprenticeship in other countries, and films. In addition to bibliographic information, many of the citations include annotations. (LRA)

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Apprenticeship: Selected References, 1974-1979

U.S. Department of Labor
Ray Marshall, Secretary

Alfred M. Zuck, Assistant Secretary
for Administration and Management

Library
Andre C. Whisenton, Director

July 1979

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PREFACE

This bibliography supplements an earlier one, "Apprenticeship in the United States," issued in 1974 and covering roughly the preceding 10-year period. Subject coverage is similar to that in the original bibliography except that in this supplement a section on State apprenticeship programs and a selection of references on apprenticeship in foreign countries are included. No special effort was made to collect foreign material, but those references gathered in the course of research are included, for perspective and comparison purposes. The primary geographical emphasis of the bibliography is on the United States.

Many of the references were examined to ensure pertinency and to provide annotations; however, it was not practical to do this for every title. Some are included solely on the basis of citations in miscellaneous sources.

Call numbers given are those of the Department of Labor Library. Publications cited are not distributed by the Library. Many can be consulted in large public or university libraries.

The present bibliography is based on a search of the card catalog of the Department of Labor Library, of standard periodical indexes, and other reference sources. In addition, some electronic data banks which have become available recently were searched, and quotations or condensations from the abstracts have been included throughout the bibliography. An explanation of the notations used with the abstracts follows:

ERIC (Educational Resources Information Center)--A data base produced by the National Institute of Education, U.S. Dept. of Health, Education, and Welfare. "ED" numbers given reports and documents from the ERIC data base are identification and order numbers; for complete order information, write to ERIC Document Reproduction Service, P.O. Box 190, Arlington, Virginia 22210. "EJ" numbers indicate journal articles. Most of the journal articles listed are available to Department of Labor employees in the Department Library.

NTIS--Produced by the National Technical Information Service. Contains references to government-sponsored research and technical reports. Order numbers appearing in this bibliography for NTIS materials are usually PB numbers or AD numbers; publications with these numbers can be ordered from NTIS, 5285 Port Royal Road, Springfield, Virginia 22161.

Inform and Management Contents--Privately produced data bases indexing magazine articles on management, business, and personnel subjects.

Labordoc--References from the collection of books, articles, and government documents in the Library of the International Labor Organization, Geneva, Switzerland.

Compendex--References from the Engineering Index, published by United Engineering Center, New York.

SSIE (Smithsonian Science Information Exchange)--Research in progress and recently completed research.

AIM/ARM--Materials on vocational and technical education, 1967-1976, from data base produced by Center for Vocational Education, Ohio State University.

Some of the printed indexes used in preparing this bibliography provided abstracts or annotations: Work Related Abstracts, Human Resources Abstracts, PAIS (Public Affairs Information Service), Dissertation Abstracts International, and two bibliographies recently issued by Oregon State University's Institute for Manpower Studies: A Bibliography of Employment and Training Literature and the Indexes to Employment and Training Materials in the ETA Clearinghouse and the Regional Resource Centers of the Employment and Training Administration, U.S. Dept. of Labor.

The earlier bibliography, "Apprenticeship in the United States," which this edition supplements, is still available for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The stock number is 2900-00217; price per copy, $1.05 for current stock; price of later stock may be higher.

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Selected References

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Selected References

General - Books and Pamphlets

Addington, Ronald P. A study of the feasibility for labor union apprenticeship committees to partially train their apprentices in the Arkansas area vocational technical schools. Fayetteville, Ark., 1977. 282 p.
Thesis - University of Arkansas.
Abstracted in Dissertation abstracts, Nov. 1977, v.38, sec. A, p.2731.

American Council on Education. The feasibility of awarding postsecondary educational credit for apprenticeship programs; final research report, by John W. Kain. Springfield, Va., National Technical Information Service, 1978. 94 p. (PB-284 463)
Prepared for U.S. Dept. of Labor; contract no. DL-21-11-77-13-4.
"The feasibility study resulted in the evaluation and recommendation of from 9 to 48 semester credits at the certificate-associate and baccalaureate-degree levels for local apprenticeship and training programs in eight trades. A procedure is recommended for future use... Three additional recommendations are presented for further action that can be taken by DOL to achieve national recommendations."--NTIS abstract.

Apprenticeship training in the 1970's: report of a conference sponsored by the Manpower Administration's Office of Research and Development, May 30 to June 1, 1973. Washington, U.S. Dept. of Labor, Manpower Administration; for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1974. 100 p. (Manpower research monograph no.37) HD5723.A3892 no.37
Felician F. Foltman, Conference Director.
Prepared under grant no.21-36-73-39 from the Manpower Administration, U.S. Dept. of Labor.
First conference held Oct. 5-6, 1971 under title: Working conference on apprenticeship research and development (HD4885.U5A583).
"The conference report summarizes the state of the art of apprenticeship, as determined by a decade of systematic research, and offers recommendations for changes in policy and in practice. Eighteen papers, all dealing with fundamental problems in apprenticeship and skill training in the United States, were presented at the conference... A major diagnosis of the conference was that apprenticeship is basically healthy but some changes can make it more vigorous and productive. ..."--ERIC abstract (ED 113523)

Arco Publishing Company, New York. Apprentice, mechanical trades; the complete study guide for scoring high, by the Arco Editorial Board. 6th ed. New York, Arco, 1977. 192 p. (Arco civil service test tutor)

Bader, Carol H. An evaluation of a pre-apprentice upgrade program at a petro-chemical complex. Baton Rouge, La., 1978. 165 p.
Thesis - Louisiana State University.
Abstracted in Dissertation abstracts, Sept. 1978, v.39, sec. A, p.1256.
"The pre-apprentice program appeared to have been beneficial from the fact that the experimental group performed significantly better than did the control group on a majority of the tests."--abstract.

Barocci, Thomas A. The dropout and the Wisconsin apprenticeship program: a descriptive and econometric analysis. (In U.S. Dept. of Labor. Manpower Administration. Abstracts of seven doctoral dissertations completed under Manpower Administration research grants. 1975. p.3-10) HD5723.A3892 no.34

For full text of thesis, see HD4885.U6W64.

Collins, A. Michael. Dual enrollment as an operating engineer apprentice and an associate degree candidate; final report. [Washington] National Joint Apprenticeship and Training Committee for Operating Engineers, 1975. 110 p. HD4884.E45C65

On cover: Operating Engineers Dual Enrollment Program.

The material in this report was prepared under Grant no.21-11-73-12 from the Manpower Administration, U.S. Dept. of Labor.

Available from the National Technical Information Service, Springfield, Va. (PB-256 631/3SL)

Describes a program sponsored by the International Union of Operating Engineers which combines trade union apprenticeship with college study.

Developing the nation's work force, edited by Merle E. Strong. Washington, American Vocational Association, 1975. 347 p. (Yearbook - American Vocational Association; 5) T73.A75 v.5

"Focusing on major issues related to the preparation of the nation's work force, the Yearbook considers all sectors of manpower preparation... Section 1, The opportunity for leadership, contains chapters on building a national manpower policy, preparing people for the work force, and relating revenue sharing to manpower training. ... Section 3, Learning from past manpower experience...manpower training and apprenticeship, ..."--ERIC abstract (ED 123449)

Franklin, William S. Upgrading programs for construction journeymen. [Miami] Florida International University, 1975. [94] leaves. HD8039.B92U5122

This report was prepared for the Manpower Administration, U.S. Dept. of Labor, under research and development grant no.21-12-74-22.

Available from the National Technical Information Service, Springfield, Va.

On upgrading and refresher training for journeymen. Describes the upgrading programs underway in two cities (Washington, D.C., and Miami, Fla.) "...in order to estimate the significance of such efforts in helping construction workers keep abreast of changes in the industry. ..."--p.2.

Franklin, William S. and Robert W. Glover. The one-stop apprenticeship opportunity center: a feasibility study. Austin, Tex., Center for the Study of Human Resources, University of Texas at Austin, 1978. 37 p.

Prepared for the Employment and Training Administration, U.S. Dept. of Labor, under research and development grant no.21-48-77-19.

"This report reviews the feasibility of implementing the apprenticeship opportunity center concept which offers potential to simplify and streamline procedures for entrance into apprenticeships programs..."

"Based on interviews with more than a hundred national and local apprenticeship officials, the report offers a critical review of the apprenticeship opportunity center, its rationale, potential benefits and problem areas and presents a preliminary comparison of costs and benefits. ..."--abstract.

Fuqua, Larry W. A comparison of perceptions held by North Carolina Community College and Technical Institute presidents, counselors and apprentices in selected psychological, educational and socioeconomic areas. Raleigh, 1976. 157 p.
Thesis - North Carolina State University at Raleigh.
Abstracted in Dissertation abstracts, Dec. 1976, v.37, p.3580A.

The future of apprenticeship. Report of the symposium, Focus on apprenticeship, September 1977. Toronto, Ontario Ministry of Colleges and Universities, 1977. 201 p.
Sponsored by Province of Ontario, Ministry of Colleges and Universities.
Partial contents.-Apprenticeship and manpower policy, by Eli Ginzberg.-Apprenticeship in the United Kingdom, by John K. Fuller.-Innovations in American apprenticeship, by Gerald Somers.-The future of apprenticeship: a comparative view, by Beatrice Reubens.-Labour's role in the evolution of apprenticeship, by John R. Whitehouse.

Gatewood, Lucian B. A comprehensive evaluation of Recruitment and Training Program Inc.'s Apprenticeship Outreach Program for the construction trades: an analysis of program performance and impact. [Madison] University of Wisconsin-Madison, 1977. 291 leaves.
Thesis - University of Wisconsin-Madison. HD4884.B9G37
The material in this project was prepared under Grant no.91-51-76-07 from the Manpower Administration, U.S. Dept. of Labor.
Available from the National Technical Information Service, Springfield, Va. (PB-266 112/2SL)
"The study has analyzed RTP's experience with respect to assisting minorities in gaining admission into the training programs of the building construction trades as apprentices, trainees, and journeymen; appraised factors influencing this placement; ascertained the direct economic effect of placement; assessed the indirect economic impact of the program with respect to occupational mobility for program applicants who either were not placed or who dropped out of construction after being placed; and evaluated the program with respect to matters related to retention and separation of indentureships."--NTIS abstract.
Abstracted in Dissertation abstracts, v.38, no.3, sec. A, p.1529.

Hansen, Gary B. and Mark D. Randle. Dropouts and completers in the Utah apprenticeship system, 1969-74: some causes and consequences. Logan, Utah, Manpower Development Service, Utah State University, 1975. 161 p.
"This research was carried out in cooperation with the Utah Apprenticeship Council..."

Kirschner Associates, Inc. National evaluation of MDTA apprentice training; final report, by Jack Dickerson [and others] Springfield, Va., National Technical Information Service, 1976. 261 p. (PB-257 056/2SL)
Prepared under contract DL-13-11-74-01 with the U.S. Dept. of Labor, Employment and Training Administration, Washington, D.C.
"...a nationwide assessment of various forms of apprenticeship training for special worker groups (especially minorities, disadvantaged workers and Vietnam veterans) in selected construction trades. The training was provided by national unions and employer groups under Dept. of Labor contracts."--NTIS abstract.

Lederer, Muriel. The guide to career education. New York, Quadrangle/The New York Times Book Co., 1974. 401 p. T174.L418
"The book is an effort to provide information that will increase the number of options open to post-high school students seeking specialized or advanced training via vocational or technical programs. It explores the many alternatives other than a four-year college or

Lederer, Muriel. The guide to career education--Continued
university. ...three-fourths of the book consists of a directory of 200 occupations, which require some training beyond high school, and offer the greatest opportunities for good-paying jobs in the 1970's. ..."--ERIC abstract.
Includes information on apprenticeships, p.52-63.
A revised edition was issued in 1976.

Lobb, Charlotte. Exploring apprenticeship careers. New York, Richard Rosen Press, 1978. 156 p.
Vocational guidance.

Maier, Dorothea. Training and work experience of former apprentices, New York State / [prepared by Dorothea Maier and Harold Loeb, assisted by Nicholas Neufeld, under the general supervision of Abraham J. Berman] New York, State of New York, Dept. of Labor, Division of Research and Statistics, 1975. 199 p. (Publication - New York State Department of Labor, Division of Research and Statistics; B-205) HD8053.N7A54 no.B-205

Manpower and Education Research Associates, Arlington, Va. Report on project to test the feasibility of developing data on nonregistered apprentices by occupation and industry and by state using two ongoing statistical programs, by Sol Swerdloff. Springfield, Va., National Technical Information Service, 1978. 58 p. (PB-287 192)
"Contract DL-21-51-78-22."
"Comprehensive statistical data on apprentices not registered in Federal or state apprenticeship programs are needed to help improve and expand the apprenticeship system in the United States. ... The study uncovers serious data problems inherent in the two programs [State-National Apprentice Reporting System and Occupational Employment Statistics Program] However, a number of probable causes are identified and recommendations are provided..."--NTIS abstract.

Marshall, Ray [and others] Training and entry into union construction. Washington, U.S. Dept. of Labor, Manpower Administration; for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1975. 207 p. (Manpower R&D monograph 39) HD5723.A3892 no.39
"Prepared under contract no.82-48-71-18 with the Manpower Administration."
Issued also in 1973 under title: A comparison of union construction workers who have achieved journeyman status through apprenticeship and other means, by the Center for the Study of Human Resources, University of Texas.
"The study focuses on the issue of entry into building trades unions, detailing union procedures and standards, journeyman's background, and comparing training routes. ... The study provides strong evidence that apprenticeship training gives construction craftsmen considerable advantage over the informally trained. ..."--ERIC abstract (ED 117379)

Olympus Research Corporation. A pilot study of the apprenticeship system; final report. San Francisco, 1975. 232 p. HD4885.U6C37
"Prepared for the Manpower Administration of the U.S. Department of Labor pursuant to Contract Number DLMA 20-49-74-03."
"This study set out to test in two states--California and Rhode Island--the feasibility of a nationwide sample survey of the day-to-day workings of the apprenticeship system..."
Available from National Technical Information Service; PB-243 391.

Organization for Economic Cooperation and Development. Policies for apprenticeship. Paris, 1979. 103 p.
"Report on trends and issues relating to apprenticeship policies in OECD countries. Covers legal aspects, admission requirements and limits to recruitment, structure and content of skill training, financing of educational expenditures, etc."--Labordoc abstract.

Oriel, Arthur E. Joint workshop: performance based apprentice and technical training; final report. Chicago, A.E. Oriel & Associates, 1976. 93, 30 p.
Sponsored in part by National Machine Tool Builders Association, McLean, Va.
Prepared under contract no.21-17-75-09 from the Employment and Training Administration, U.S. Dept. of Labor.
Available from the National Technical Information Service; PB-258 558/6SL.
"A series of five workshops was held to disseminate...information about the principles, methods and effectiveness of performance based training in apprentice programs."--NTIS abstract.

Petrie, William J. Attitudes of selected Ohio public school personnel toward apprenticeship education. Columbus, Ohio, 1975. 136 p.
Thesis - Ohio State University.
Abstracted in Dissertation abstracts, Feb. 1976, v.36, sec. A, p.5251.

Pulaski, Richard E. Predictability of success in selected Texas piping trades apprenticeship programs. College Station, Tex., 1975. 133 p.
Thesis - Texas A & M University.
Abstracted in Dissertation abstracts international, June 1976, v.36, p.8020A.

Ranard, Ralph G. An analysis of current practices in the evening trade extension and apprenticeship programs in the states of Indiana and Ohio. Cincinnati, 1978. 177 p.
Thesis - University of Cincinnati.
Abstracted in Dissertation abstracts, Feb. 1979, v.39, sec. A, p.4911.

Renzi, Anthony C. Evaluation of the related instruction curriculum for electrical wireman apprenticeship. Buffalo, N.Y., 1976. 230 p.
Thesis - State University of New York at Buffalo.
Abstracted in Dissertation abstracts international, Mar. 1977, v.37, p.5577A.
"Contracted under the auspices of Local 41 of the International Brotherhood of Electrical Workers."

Reubens, Beatrice G. Preparation for work; a cross-country analysis. Montclair, N.J., Allanheld, Osmun, 1978. (Conservation of human resources series)
Examines the extent to which education and apprenticeship in the United States, Western Europe, Japan, and Canada are instrumental in preparation for work.
Part of a 3-part study prepared for the Employment and Training Administration, U.S. Dept. of Labor.

Schmidt, Frank L. [and others] A performance measurement feasibility study: implications for manpower policy. East Lansing, Department of Psychology, Michigan State University, 1974. 242 p.

Schmidt, Frank L. [and others] A performance measurement feasibility study--Continued
Prepared under contract no.82-17-71-41 from the Manpower Administration, U.S. Dept. of Labor.
Available from National Technical Information Service; PB-240 809/4SL.
"Utilizing eight apprentices in the metals trades, this study empirically evaluated a number of techniques designed to produce performance tests that are economically feasible, reliable, content-valid, and less disadvantageous to minority group members than paper-and-pencil measures. ... Implications for manpower policy, especially in the areas of occupational licensure and apprenticeship training, were discussed."--ERIC abstract (ED 128421)

Schramm, Carl J. Apprenticeship and other job training: a comparative socioeconomic analysis with special emphasis on internal economic rates of return. Madison, Wis., 1973. 293 p.
Thesis - University of Wisconsin.
Abstracted in Dissertation abstracts international, Apr. 1974, v.34, p.6215A.

Spiegel, Leonard. An examination and analysis of problems associated with establishing integrated apprentice training--associate in applied science degree programs in the community colleges. Albany, N.Y., 1974. 122 p.
Thesis - State University of New York at Albany.
Abstracted in Dissertation abstracts, Sept. 1974, v.35, sec. A, p.1567.

U.S. Adjutant General Center. Education Directorate. Job recognition (JOBREC) study. An evaluation and selection of methods to obtain civilian recognition and acceptance of soldier skills; final report, Jan. 16-Nov. 30, 1976, by Hal W. Downey [and others] Washington, 1977. 54 p. (Report no. ED-77-1)
Available from the National Technical Information Service; AD-A044 914/0GA.
A study group was formed to study the problem of ex-soldiers' difficulty in obtaining civilian employment at appropriate levels even though their military skills are directly related. They recommended that three types of skill documentation programs be developed and implemented: apprenticeship, technical certification, and industry recognition.

U.S. Bureau of Apprenticeship and Training. Apprenticeship and CETA [a guide for prime sponsors under the] Comprehensive Employment and Training Act of 1973. [Washington] 1974. 33 p. HD5853.U66 1974m

U.S. Bureau of Apprenticeship and Training. Apprenticeship: past and present. Revised 1977. [Washington: 1977. [2], 28 p.
History and development of concepts and practices in apprenticeship.

U.S. Bureau of Apprenticeship and Training. The Federal Committee on Apprenticeship. Washington, 1978. 13 p.
Contains text of the National Apprenticeship Act, history of the Committee, information on membership and meetings held.

U.S. Bureau of Apprenticeship and Training. The national apprenticeship program. Rev. 1976. [Washington] U.S. Dept. of Labor, Employment and Training Administration, 1976. 41 p. HD4885.U5A58 1976

U.S. Bureau of Apprenticeship and Training. Report of the Administrator, 1974. Washington, U.S. Govt. Print. Off., 1975. 11 p.

U.S. Bureau of Apprenticeship and Training. 29 CFR 30 manual. Rev. 1976. [Washington] Dept. of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, 1976. 104 p. in various pagings.
"This revised manual provides interpretations and procedures for implementation of 29 CFR 30 by the Bureau of Apprenticeship and Training in the States and National Office where the Bureau is the registration agency."

U.S. Bureau of Labor Statistics. Characteristics of major collective bargaining agreements, July 1, 1976. Washington, U.S. Govt. Print. Off., 1979. 89 p. (Its Bulletin 2013) HD8051.A5 no.2013
Seventh in an annual series.
Table 7.4. Apprenticeship and training provisions by industry, on p.76.

U.S. Bureau of Labor Statistics. Jobs for which apprenticeships are available. [Washington] U.S. Dept. of Labor, Bureau of Labor Statistics, 1976. 13 p.

U.S. Bureau of Labor Statistics. Occupational projections and training data. Washington, U.S. Govt. Print. Off., 1979. 119 p. (Its Bulletin 2020) HD8051.A5 no.2020
Ch.3, Occupational training, contains a section on apprenticeship programs, p.12-13, and a table, Training status of registered apprentices in all trades, 1960-76.

U.S. Bureau of Labor Statistics. Occupational training in selected metalworking industries, 1974; a report on a survey of selected occupations. Washington, for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1977. 46 p. (Its Bulletin 1976) HD8051.A5 no.1976
Includes information on registered apprentices, p.7-9.

U.S. Dept. of Labor. Manpower Administration. American manpower today. Washington, for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1974. 26 p. HD5853.U555 no.31
Contains brief general description of apprenticeship programs of the Dept., p.5-7.

U.S. Dept. of Labor. Manpower Administration. Apprentice training, sure way to skilled craft. [Rev. 1974] Washington, 1974. 8 p.
How apprenticeships operate, who qualifies for them, how to get the training. List of jobs for which apprenticeships are available. Addresses of Apprenticeship Information Centers.

U.S. Dept. of Labor. Manpower Administration. Apprenticeship. Washington, for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1975. 4 p. (Its [Miscellaneous pamphlets, no.29]) HD5853.U555 no.29
A brief explanation of what apprenticeship is, the federal role in apprenticeship, opportunities for minorities and women, list of addresses for obtaining more information.

U.S. Dept. of Labor. Manpower Administration. Instrucción para aprendices, la forma segura de llegar a tener un oficio especializado. [Rev. 1974] Washington, 1974. 9 p.

U.S. Dept. of Labor. Office of the Secretary. Apprenticeship programs; labor standards for registration. Title 29, subtitle A, part 29. (In Federal register, Feb. 18, 1977, v.42, p.10137-10144)
"Sets out labor standards, policies and procedures relating to the registration, cancellation and deregistration of apprenticeship programs and of apprenticeship agreements by the Bureau of Apprenticeship and Training (BAT), the recognition of a State Apprenticeship Council or Agency (SAC) as the appropriate agency for registering local apprenticeship programs for certain Federal purposes, and the derecognition of a SAC."--p.10138.
Corrections of typographical errors in Federal register, June 17, 1977, v.42, p.30826.

U.S. Dept. of the Army. The U.S. Army Ordnance Center and School apprenticeship program for the trade of automobile body repairer and painter. Washington, Dept. of Defense, Dept. of the Army, Headquarters, 1976. 9 p. (DA pam 621; 70)
Many similar pamphlets for other trades have been issued by the Army. Consult issues of the Monthly Catalog of United States government publications, issued by the Supt. of Docs., U.S. Govt. Print. Off., for listings. Titles of other recent pamphlets in this series follow:
The U.S. Army Ordnance Center and School apprenticeship program for the trade of industrial welder.
The U.S. Army Transportation School apprenticeship program for the trade of sheet metal worker (aircraft).
The U.S. Army Engineer School apprenticeship program for the trade of plant equipment operator.
Other occupations covered recently: sewing machine repairer, machinist, radio communications technician, electrical mechanic (aircraft), auto mechanic, truck mechanic, grading and paving equipment operator, universal equipment operator (construction equipment), airplane mechanic.

U.S. Employment and Training Administration. Apprentice registration actions. Washington.
Issued annually.
Tables showing apprentice registration actions and number of minority, women, and veteran apprentices, for many occupational groups. Summary data by State.

U.S. Employment and Training Administration. Labor organization participation in national employment and training programs. [Washington] Department of Labor, Employment and Training Administration, 1977. 18 p.
Includes apprenticeship programs.

U.S. Employment and Training Administration. National employment and training programs. Washington, 1977. 31 p.
Describes programs for unemployed or underemployed, including apprenticeship programs.

U.S. Employment and Training Administration. Research and development projects. Washington. HD5723.A3893
Issued annually.
Includes listing of ongoing and completed research projects in the field of apprenticeship.

U.S. Employment and Training Administration. State and national apprenticeship system (SNAPS).
Issued semiannually.
"Tables showing number of apprenticeship registrations by sex, veteran status, and race or ethnic origin... Data are shown by region; by State, including D.C., Guam, Puerto Rico, and Virgin Islands; and for 54 occupational groups."--American Statistics Index, 1978.

U.S. Employment Standards Administration. Workers certification under Section 14 of the Fair Labor Standards Act; a report on certification of eligible learners, apprentices, students and handicapped workers; submitted to Congress in 1976 / [prepared by Linda P. Helman. Washington] 1976. 77 p. HD8052.A5 1976

Certificates granted to permit employment of certain specified individuals at wage rates lower than the statutory or wage order minimum; those covered include apprentices, learners, certain students, handicapped and sheltered workshop workers.

U.S. Federal Committee on Apprenticeship. Report, 1st-18th. Washington, U.S. Dept. of Labor, Employment and Training Administration, 1974-79. 18 v. HD4885.U5A358

Reports of meetings of the Committee.

U.S. Federal Committee on Apprenticeship. Subcommittee on Equal Apprenticeship Opportunity. Report of meeting... Washington, U.S. Dept. of Labor, Employment and Training Administration. HD4885.U5A36

Library has 1977 and 1978 reports.

U.S. Federal Committee on Apprenticeship. Subcommittee on Research. Report of meeting of FCA Subcommittee on Research; Nov. 22, 1977. Washington, U.S. Dept. of Labor, Employment and Training Administration, 1977. 89 p. in various pagings. HD4885.U5A37 1977

U.S. General Accounting Office. The award of funds to the National Farm Workers Service Center, Inc. was poorly managed. Washington, 1979. 29 p.

"HRD-79-30."

"Describes how the Department of Labor awarded more than $800,000 in Comprehensive Employment and Training Act funds to the National Farm Workers Service Center, Inc.--a nonprofit organization founded by the United Farm Workers of America, AFL-CIO. The funds were to operate residential farmworker training programs and to conduct research in agricultural apprenticeship. ..."--NTIS abstract.

U.S. General Accounting Office. Questionable need for some Department of Labor training programs; report to the Congress / by the Comptroller General of the United States. [Washington, 1978] 66 p. HD5853.U525 1978

"B-163922." "HRD-78-4."

"Continued funding of the Apprenticeship Outreach and construction-related National On-The-Job Training programs has become questionable because of high unemployment in the construction industry, limited apprenticeship opportunities, and numerous program problems.

"The Labor Department's administration of these programs generally was weak, particularly in monitoring and evaluating them, and GAO recommends that the Secretary either eliminate or redirect them. The Department says it will retain both but will improve their administration and review."--front cover.

U.S. National Technical Information Service. Individualized instruction. A bibliography with abstracts, by Mary E. Young. Report for 1964-Jan. 1979. Springfield, Va., 1979. 188 p. (NTIS/PS-79/0024)

Contains 181 abstracts of documents in the NTIS collection, including some on apprenticeship.

U.S. President. Employment and training report of the President, including Reports by the U S. Department of Labor and the U.S. Department of Health, Education, and Welfare [Washington, for sale by the Supt. of Docs., U.S. Govt. Print. Off.]
An annual report issued since 1963. (Title varies.) HD5723.A388
Includes statistics on registered apprentices.

U.S. Veterans Administration. Apprenticeship or other on-job training benefits for veterans with service since Jan. 31, 1955. Rev. Mar. 1975. Washington, 1975. 4 p. (VA pamphlet 20-69-3)

Uzee, Melvin J. Job success of graduates of the building trades of Delgado College and of journeymen in building trades in the New Orleans area. Hattiesburg, Miss., 1976. 140 p.
Thesis - University of Southern Mississippi.
Abstracted in Dissertation abstracts, Mar. 1977, v.37, p.5736A.

Whitworth, Larry L. The role of the community college in the process of developing and delivering an apprenticeship program. Pittsburgh, 1978. 199 p.
Thesis - University of Pittsburgh.
Abstracted in Dissertation abstracts, Sept. 1978, v.39, sec. A, p.1282.

General - Articles and Papers

Abbott, William L. College credits: trend in apprenticeships. (In Worklife, Sept. 1977, v.2, p.27-30)
"The growing trend to college credit programs for apprentices is enhanced through joint labor union-community college committees, which know what jobs are available and train students for them. Associate degrees for apprentices broaden options and upgrade skills to make for better life working relationships."--ERIC abstract (EJ 167230)

Allen, John L. Careers for the seventies in foundry occupations. (In Industrial education, Nov. 1974, v.63, p.26-27)
Includes brief information on apprenticeship in foundries.

Apprenticeship for craft workers hits new record, Labor Dept. says. (In Daily labor report, Sept. 19, 1978, no.182, p.A4-A6)
About a report for the calendar year 1977 giving statistics on registered apprentices. Includes table.
"The number of apprentices who completed registered programs in 1977 exceeded 54,000, an all-time high in completions since 1941 when the Labor Dept. began keeping records."--p.A4.

Arpin, Harold T. Apprenticeship, vocational education and CETA. (In Wisconsin vocational educator, Jan. 1978, v.2, p.3-5)
"Emphasizing Wisconsin's goal to make apprenticeship training available to all CETA (Comprehensive Employment and Training Act) eligible people, the legislative history of Wisconsin's apprenticeship training system and its relationships to the State's vocational, technical, and adult education system and to CETA are explained."--ERIC abstract (EJ 173014)

Barocci, Thomas A. and D. Vrana. Wage variations among former New York apprentices. (In Industrial Relations Research Association. Proceedings, Winter 1974. p.53-63)
HD6961.I63 1974 Winter
"Analyzes the wage earning potential of individuals based upon their completion of apprenticeship training."--Management Contents abstract.

Bowers, E.W. Wanted: skilled workers to save withering industry. (In Iron age, Jan. 24, 1977, v.219, p.18-20)

Brennan, Peter. Realizing apprenticeship's potential. (In Manpower, Sept. 1974, v.6, p.2-7)
"Apprenticeship is falling short of what it is capable of accomplishing, for both business and industry and the American worker.'
Recommends adopting the proposals of a task force for new initiatives in apprenticeship.

Burdetsky, Ben. New directions in apprenticeship training. (In Education digest, Feb. 1978, v.43, p.46-49)

Cole, Robert W. Apprenticeship is the answer. (In Phi Delta Kappan, May 1975, v.56, p.601-604)
"Suggests that European apprenticeship programs are successful in preventing juvenile delinquency and promoting effective vocational education."--ERIC abstract (EJ 117520)

Egan, Christine. Apprenticeship now. (In Occupational outlook quarterly, Summer 1978, v.22, p.2-19)
General description of apprenticeship programs and how to get into them. Lists occupations, qualifications needed; includes locations of Apprenticeship Information Centers.

Farber, David. Apprenticeship in a changing economy. (In Manpower, Sept. 1975, v.7, p.31-33)
Based on a talk to the Federal Committee on Apprenticeship.
Discusses the impact of labor market forces on apprenticeship and government policies that might strengthen apprenticeship.

Foreign apprenticeship practices: ripe for import? Study finds three recent changes of special interest to U.S. planners. (In Manpower, June 1974, v.6, p.11-14)
Describes results of a survey reported in Improving apprenticeship: a pilot study of employer and union reactions to foreign training practices, by Myron Roomkin. (HD4885.U5R6)

40th anniversary of the National Apprenticeship Act. (In IBEW journal, Oct. 1977, v.76, p.4-6)
"History of legislation enacted in 1937 is chronicled, along with recent developments, statistics about apprenticeship programs."--Work Related Abstracts.

Franklin, William S. Are construction apprenticeships too long? (In Labor law journal, Feb. 1976, v.27, p.99-106)
Author argues against the allegations that construction union apprenticeships are too long, teach unnecessary job skills, adversely affect employers and curtail the construction labor supply. He also compares registered nonunion apprenticeship and military training programs to union apprenticeship programs. Possible improvements in apprenticeship programs are suggested.

Franklin, William S. Journeyman upgrading in union construction. (In Industrial relations, Oct. 1976, v.15, p.313-323)
"Training programs in 41 carpenter, electrician, ironwork, plumber, pipe fitter, and operating engineer local and district councils...were surveyed. ..."--Inform abstract.

Franklin, William S. [and others] Apprenticeship training in the 1970s: the United States experience, by William S. Franklin, Robert W. Glover, and Ray Marshall. Austin, Tex., Center for the Study of Human Resources, University of Texas at Austin, 1976. 40 leaves.
"In this article, we present a brief description of apprenticeship in America, an assessment of its strengths, and an overview of the important issues confronting the system in the 1970s."--Introduction.
Translated into Spanish and reprinted in Boletin CINTERFOR [Centro Interamericano de Investigación y Documentación sobre Formación Profesional] mayo-junio 1978, no.57, p.3-30.

Gast, Clyde W. Apprentice performance evaluation. [s.l.?] 1976. 6 p.
Speech presented at the Annual Illinois State Apprentice Conference (6th, Peoria, Ill., Mar. 26, 1976)
"The Granite City (Ill.) steel apprentices are under a performance evaluation from entry to graduation. Federally approved, the program is guided by joint apprenticeship committees whose monthly meetings include performance evaluation from three information sources:

Gast, Clyde W. Apprentice performance evaluation--Continued
journeymen, supervisors, and instructors. ... The apprentice's permanent file holds the evaluations, which are used by the Committee to grant or hold raises, toward hours for outstanding performances, to put an apprentice on probation, or to revoke an apprenticeship. The evaluations assure the company of well-prepared journeymen. (The nine performance items on the supervisor's check list and the five items on the instructor's check list are recounted in the speech.)"--ERIC abstract (ED 123363)

Glover, Robert W. Apprenticeship in America: an assessment. (In Industrial Relations Research Association. Proceedings, Winter 1974, p.64-70) HD6961.I63 1974 Winter
"This paper first discusses the results of a study of apprenticeship programs jointly sponsored by unions and employers in the construction trades. Jointly sponsored programs account for approximately 80 percent of all registered apprentices; and approximately 60 percent of all registered apprentices are in construction. In the final section, the paper reviews sources of data on apprenticeship more generally."--p.65.
An abstract entitled Breadth of training in apprenticeship, appears in Monthly labor review, May 1975, v.98, p.46-47.

Hitch, G.J. The numerical abilities of industrial trainee apprentices. (In Journal of occupational psychology [Gt. Brit.] June 1978, v.51, p.163-176)
"Three tests were devised to assess in some depth elementary numerical abilities in a sample of 95 industrial trainee apprentices. The tests covered basic aspects of a variety of topics, including arithmetic manipulation of natural numbers, fractions and decimals, magnitude, approximation, ratio and percentage. The results supported the following general conclusions: 1. arithmetic with natural numbers was performed relatively well, but decimals and fractions were performed badly. 2. elementary conceptual difficulties were encountered with decimals and fractions, ... 3. proficiency in natural number arithmetic was not strongly associated with ability in other basic skills. ... The test results have implications for both the selection and training of school-leavers."--Inform abstract.

Jangard, H. Occupational students and apprentices; proletarians in educational society. (In Acta sociologica, 1976, v.19, no.4, p.401-402)

Kistler, Alan. A finger on the pulse. (In American vocational journal, Oct. 1975, v.50, p.36-37)
"Several schools are involved in curriculum projects in which labor unions are cooperating with schools to prepare students for apprenticeships."--ERIC abstract (EJ 125332)

Lucas, Darrell. Apprenticeship: head start in high school, carpentry training gives youth boost toward journeyman status. (In Manpower, Nov. 1974, v.6, p.13-16)
About the Career Development Program operated by the D.C. Public Schools in cooperation with the Joint Carpentry Apprenticeship Committee.

Marshall, Ray [and others] Paths to construction journeyman; study finds apprenticeship graduates fare better than workers trained in other ways. (In Manpower, Sept. 1974, v.6, p.8-13)
A report condensing findings of authors' study, "Training and entry into union construction." (HD5723.A3892 no.39)

Mattila, John M. and J. Peter Mattila. Construction apprenticeship in the Detroit labor market. (In Industrial relations, Feb. 1976, v.15, p.99-106)
"Research on construction unions and the training of construction workers has grown considerably in recent years, reflecting in part at least the important public controversies concerning housing costs and quality and union exclusion of minority groups. This paper builds upon that research by attempting to identify the determinants of the size of apprenticeship training programs. We investigate, in particular, how responsive training is to demand factors, to relative wages, and to affirmative action pressures."--p.99.
Comment, by W.D. Walsh, in Industrial relations, Oct. 1977, v.16, p.363-364.

Mitchell, James P. New directions for apprenticeship policy. (In Worklife, Jan. 1977, v.2, p.2-5)
Discusses initiatives in a new program developed on the advice of the Federal Committee on Apprenticeship, to improve and expand apprenticeship opportunities.

Monat, Jonathan S. [and others] Improving management training using apprenticeship principles. (In Training and development journal, Oct. 1975, v.29, p.20-24)
"...It is argued that the apprenticeship model should be applied to management training because it provides effective integration of all the elements of proper training design. ... Using the apprenticeship model for management training, on the job management training can become a powerful tool. ..."--Inform abstract.

Odlin, William S. Employer-union group trains for survival. (In Job safety and health, Nov. 1976, v.4, p.18-25)
How safety training is woven into the apprenticeship program of the sheet metal and air conditioning industry.

Riemer, Jeffrey W. Becoming a journeyman electrician: some implicit indicators in the apprenticeship process. (In Sociology of work and occupations, Feb. 1977, v.4, p.87-98)
"Article summarizing findings of a research project investigating tools, costume and jargon as implicit indicators of the occupational socialization process for a sample of apprentice construction electricians; suggests that occupational identification increases as the apprentice moves through a five year program toward skilled worker status."--Labordoc abstract.

Roomkin, Myron and Gary B. Hansen. Implications of foreign training practices for American apprenticeship. (In Industrial Relations Research Association. Proceedings, Winter 1974, p.71-74) HD6961.I63 1974 Winter
"...a very brief summary of foreign apprenticeship as a preface to our discussion of domestic reform based on foreign-inspired changes."--p.71.
An abstract entitled Lessons for American apprenticeship from foreign innovations, appears in Monthly labor review, May 1974, v.98, p.47-48.

Seybold, John W. Recruitment and training: let's study them harder. (In Printing impressions, Nov. 1977, v.20, p.12-13)
"It is asserted by many that the prevailing attitude is that, thanks to modern technology, it is possible to take anyone off the street and in a few short weeks, make a printer (typesetter) out of him. This presentation refutes that assumption and suggests, instead, a modern version of the apprentice system. ..."--Inform abstract.

Shields, Ted. Recruits march toward apprenticeship. (In Worklife, Sept. 1978, v.3, p.2-7)
About apprenticeship programs available to servicepeople (Army, Navy and Marine Corps) which are accredited by the Bureau of Apprenticeship and which document the occupational training received in the services.

Solomon, Ezra. The economic outlook: an evaluation. (In Committee for Economic Development. Progress toward recovery of the economy: CED symposium. New York, 1975. p.33-46)
C106.6.C645
"A massive apprenticeship program could reduce youth unemployment in a noninflationary way. This program would have to involve perhaps 2 million young people."--Human Resources Abstracts.

Technicians face more skill needs. (In Signalman's journal, Oct. 1974, v.55, p.11-12)
"Rail Signalmen Pres. Charles J. Chamberlain addresses Natl. Apprenticeship and Training Conference October 8 in New Orleans."--Work Related Abstracts.

Vial, Donald. CETA after four years; achievement and controversy. A state view. (In Industrial Relation Research Association. Proceedings, Spring meeting, May 1978, p.527-530)
HD6961.I63 1978 Spring
Discusses the need for new initiatives to coordinate CETA programs and apprenticeship programs. Based on author's experience with apprenticeship in California.

Weidman, James. LOHP--occupational health training for apprentices. (In Job safety and health, Aug. 1977, v.5, p.10-18)
"A training project developed by the Labor Occupational Health Program at Berkeley and funded by OSHA teaches apprentices about health hazards of their jobs and their right to work environments free from these dangers. ..."--Inform abstract.
Article describes the program in detail.

Williams, Gerry. The non-industrial apprenticeship. [Goffstown, N.H.?] Williams [1977] [14] leaves.
HD4881.W5
Paper presented at the American Crafts Council National Conference, Winston-Salem, N.C., June 3, 1977.

Woodward, Nicholas. The economic evaluation of apprentice training. (In Industrial relations journal [Gt. Brit.] Spring 1975, v.6, p.31-41)
"This paper...is largely concerned with outlining the rationale and problems encountered in the evaluation of apprentice training. ... In the first part we discuss training as an investment and this is placed in the context of apprenticeships in the second part. In the third part, the principal types of evaluation study are considered. In the fourth, the major problems encountered in the evaluation of apprentice training are outlined and we raise the question whether evaluation is feasible and worthwhile."--p.31.

Woodward, Nicholas. The feasibility of evaluating apprentice training. (In Journal of European training, 1974, v.3, no.3, p.226-235)
"Rationale of cost-benefit analysis of apprentice training is discussed and some feasibility problems outlined based on research carried out for Britain's Shipbuilding Industry Training Board which concluded that evaluation was not possible. Purpose is to suggest how cost-benefit studies could have been applied. Charts, refs."--Work Related Abstracts.

Woodward, Nicholas and T. Anderson. A profitability appraisal of apprenticeships. (In British journal of industrial relations, July 1975, v.13, p.245-256)
"Shows the development of a model for appraising the profitability of first year apprenticeship programs."--Management Contents abstract.

Worklife. Apprenticeship; special issue. Washington, U.S. Employment and Training Administration; for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1977. 36 p.
Special issue of Worklife, Aug. 1977, v.2, no.8.
Contents.-Apprenticeship Act's 40 years, by Ray Marshall.-Expansion plans for the fifth decade, by Ernest C. Green.-Coming up to BAT, by Hugh C. Murphy.-A former apprentice plumber remembers, by George Meany.-The imprint of GM, by Thomas A. Murphy.-The 'Marshall Plan' to meet new needs, by Ben Burdetsky.-Women journey into the skilled trades, by Phyllis Lehmann. -They needed a chance to be counted, by J.T. Hashian.-A day in the worklife of Denise McDonough.

Standards for Apprenticeship

Standards are revised from time to time; inquiry should be made to the Bureau of Apprenticeship to be certain of obtaining the most recent edition.

Automotive Legislative Council of America. National apprenticeship standards for AUTO BODY REPAIRER and AUTO PAINTER / U.S. Dept. of Labor, Employment and Training Administration. [Washington] The Administration, 1978. 18 p. HD4884.A92A8 1978
Prepared in cooperation with the U.S. Bureau of Apprenticeship and Training.

Apprenticeship standards for the National Automobile Dealers Association. McLean, Va., National Automobile Dealers Association, 1976. 27 p.
Standards for AUTOMOTIVE MECHANIC/TECHNICIAN; registered as incorporating the basic standards required by the Bureau of Apprenticeship and Training.
Reprinted by Bureau of Apprenticeship and Training, 1977.

National apprenticeship standards for AUTOMOTIVE SERVICE Councils. [Washington] Dept. of Labor, Employment and Training Administration, 1977. 32 p.
Prepared and approved by Bureau of Apprenticeship and Training, Dept. of Labor.
"This booklet contains national apprenticeship standards for use by Automotive Service Councils in the training of future automotive mechanics, body repairmen, painters, and other specialized professional technicians. It begins with a brief presentation of apprenticeship policy. The major contents are provisions of standards..."--ERIC abstract (ED 147646)

Associated Retail Bakers of America. National apprenticeship and training standards for Associated Retail BAKERS of America: adopted by the Associated Retail Bakers of America in accordance with the basic standards recommended by the Bureau of Apprenticeship and Training, U.S. Department of Labor. 1975 ed. [Washington] U.S. Bureau of Apprenticeship and Training, 1975. 16 p. HD4884.B2A7 1975
"...Included is the following information: (1) definition of terms applicable to the program, (2) information on procedures and activities related to the apprenticeship period, (3) adaptation of national standards for use in the supervision of local apprenticeship programs, (4) selection procedures for applicants, (5) a guide to the trade classification of the baker and the skills involved in the preparation of all bakery products, and (6) a sample copy of an apprenticeship agreement between apprentice and employers. ..."--ERIC abstract (ED 114554)

Washington (State). Dept. of Labor and Industries. BOILERMAKERS; Seattle boilermakers apprenticeship standards, by Frank Forest [and] Edwin S. De Tray. Rev. Olympia, 1975. 11 p.

National Joint Bricklaying Apprenticeship and Training Committee. National apprenticeship and training standards for BRICKLAYING / [jointly prepared and approved by the National Joint Bricklaying Apprenticeship and Training Committee, representing the International Union of Bricklayers and Allied Craftsmen, the Mason Contractors Association of America, and the Associated General Contractors of America, in cooperation with the Bureau of Apprenticeship and Training, U.S. Department of Labor] Sixth edition (revised 1977) [Washington] Dept. of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, 1977. 37 p.
"Developed as a guide for local joint apprenticeship and training committees in establishing local bricklaying apprenticeship programs, this booklet represents the sixth revision of the national apprenticeship and training standards for bricklaying apprenticeship. ..."--ERIC abstract (ED 146360)

Associated Builders and Contractors. Pattern standards of apprenticeship and training for the Associated BUILDERS and Contractors, Inc. / developed by the Associated Builders and Contractors, Inc., in cooperation with the Bureau of Apprenticeship and Training, U.S. Department of Labor. Washington, U.S. Dept. of Labor, Manpower Administration, 1975. 43 p.

National Joint Carpentry Apprenticeship and Training Committee. National apprenticeship and training standards for CARPENTRY. Rev. 1975. [Washington, U.S. Bureau of Apprenticeship and Training, 1975] 38 p. HD4884.C2N3 1975

Prepared and approved by the National Joint Carpentry Apprenticeship and Training Committee representing the Associated General Contractors of America, Inc., the National Association of Home Builders, and the United Brotherhood of Carpenters and Joiners of America in conformance with the basic standards recommended by the Bureau of Apprenticeship and Training.

"The carpentry work standards contained in the guide cover basic requirements for effective apprenticeship and are offered to assist local organizations of contractors and journeymen in establishing local systems of apprenticeship and improving existing systems. Twenty-five items to be considered when adapting national standards to local use are detailed. Federal laws and regulations affecting the employment of apprentices are summarized. ..."--ERIC abstract (ED 114588)

National Joint Cement Masonry, Asphalt, and Composition Apprenticeship and Training Committee. National apprenticeship standards for CEMENT MASONRY, ASPHALT, AND COMPOSITION TRADE, 1976. Rev. [Washington] U.S. Dept. of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, 1976. 22 p. HD4884.C4U5 1976

National Association of Dental Laboratories, inc. National apprenticeship and training standards for DENTAL TECHNICIANS. Rev. 1975. [Washington] U.S. Dept. of Labor, Manpower Administration, Bureau of Apprenticeship and Training, 1975. 33 p. HD4884.D4N3 1975

Associated Independent Electrical Contractors of America. National pattern standards of apprenticeship and training for ELECTRICIANS / developed by the Associated Independent Electrical Contractors of America, Inc., in cooperation with the Bureau of Apprenticeship and Training, U.S. Department of Labor. Rev. 1977. [Washington] U.S. Dept. of Labor, Manpower Administration, Bureau of Apprenticeship and Training, 1977. 25 p. HD4884.E3A7 1977

Washington (State). Dept. of Labor and Industries. Construction ELECTRICIAN, sign electrician, radio, tv, & electronic serviceman [and] appliance serviceman... [Olympia] Partial contents.

North central Washington electrical apprenticeship standards. 1976. 17, 7 p.
Spokane area electrical apprenticeship standards. 1976. 19, 7 p.
Tri-City - Walla Walla area electrical apprenticeship standards. 1976. 17, 2-6 p.
Yakima area electrical apprenticeship standards. 1975. 17, 7 p.
Northwest Washington electrical workers apprenticeship standards. Rev. 1975. 40 p.

U.S. Bureau of Apprenticeship and Training. National apprenticeship and training standards for EMERGENCY MEDICAL TECHNICIANS. Washington, 1978. 82 p.

Developed jointly by the International Association of Fire Chiefs and the International Association of Fire Fighters with the cooperation and assistance of the National Highway Traffic Safety Administration, U.S. Dept. of Transportation; the Division of Emergency Medical Services, U.S. Dept. of Health, Education, and Welfare; the Advance Coronary Treatment (ACT) Foundation; and the Bureau of Apprenticeship and Training, U.S. Dept. of Labor.

International Association of Fire Chiefs. National apprenticeship and training standards for FIREMEDIC / developed and adopted by the International Association of Fire Chiefs, Inc., and the International Association of Fire Fighters, AFL-CIO with the assistance and cooperation of the Bureau of Apprenticeship and Training, U.S. Dept. of Labor. [Washington, 1978] 46 p. HD4884.F4I62

National Joint Glazier and Glassworker Apprenticeship Committee. National apprenticeship and training standards for GLAZIERS AND GLASSWORKERS. Rev. 1976. [Washington] U.S. Dept. of Labor, Employment and Training Administration, 1976. 32 p. HD4884.G5N33 1976

Washington (State). Dept. of Labor and Industries. GRADE & PAVING EQUIPMENT OPERATORS - heavy duty mechanic repairmen - universal equipment operators - plant equipment operators; eastern Washington and northern Idaho operating engineers apprenticeship standards, by Frank Forest [and] Edwin S. De Tray. Rev. Olympia, 1976. 25 p.

Graphic Arts International Union. National apprenticeship and training standards for the GRAPHIC ARTS International Union / as developed and recommended by the Graphic Arts International Union in cooperation with the Bureau of Apprenticeship and Training, U.S. Department of Labor. [Washington] U.S. Bureau of Apprenticeship and Training, 1975. 61 p. HD4884.G7G7

Includes standards for the graphic arts industry, for lithography, photoengraving, gravure, bookbinding, and finishing.

"...The objective of the standards is to provide a common basis for the mutual undertaking of training which will benefit employers, employees, and the public. Their purpose is to improve the quality and opportunity of craft workers through the establishment of uniform training programs. ...the booklet contains an explanation of the application of the standards for the guidance of employers and labor representatives."--ERIC abstract (ED 114600)

International Union of Electrical, Radio and Machine Workers. National apprenticeship and training standards for the IUE. Rev. 1976. [Washington] U.S. Dept. of Labor, Employment and Training Administration [Bureau of Apprenticeship and Training] 1976. 53 p. HD4884.E3I56 1976

National Lathing Industry's Joint Apprenticeship Program Trustees. National apprenticeship standards for the LATHING INDUSTRY. Rev. ed. Washington, U.S. Dept. of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, 1976. 22 p. HD4884.L25N3 1976

National Machine Tool Builders' Association. National apprenticeship standards for the National MACHINE TOOL BUILDERS' Association / [developed by the National Machine Tool Builders' Association in cooperation with the Bureau of Apprenticeship, U.S. Dept. of Labor] Rev. 1977. [Washington] U.S. Dept. of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, 1977. 20 p.

National Joint Apprenticeship Committee for the Retail Meatcutting Industry. National apprenticeship standards for the retail MEATCUTTING industry. Rev. 1976. [Washington] U.S. Dept. of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, 1976. 20 p. HD4884.B96N3 1976

U.S. Bureau of Apprenticeship and Training. National apprenticeship standards for heavy MECHANIC, TRUCK BODY AND TRAILER MECHANIC, AND TRUCK PAINTER. Washington, 1978. 25, [4] p.

U.S. Dept. of Labor. Employment and Training Administration. National apprenticeship standards for OPERATING ENGINEERS. Washington, 1978. 40 p.

Contact Lens Society of America. National apprenticeship and training standards for OPTICAL TECHNICIAN: (CONTACT LENS TECHNICIAN) / approved and adopted by the Contact Lens Society of America, Inc.; in accordance with the basic standards recommended by the Bureau of Apprenticeship and Training, U.S. Department of Labor. [Washington] U.S. Bureau of Apprenticeship and Training, 1974. 17 p. HD4884.06C6

"The standards include sections on definitions, qualifications for apprenticeship, credit for previous experience, ...term of apprenticeship...responsibilities of apprentices, supervisor of apprentices, progress evaluation of apprentices...recommended minimum apprentice wage scale...training and educational objectives, supplemental educational courses, work-experience schedules, and related instruction. ..."--ERIC abstract (ED 107841)

Optical Wholesalers Association. National standards of apprenticeship for the trades of OPTICAL TECHNICIAN (OPHTHALMIC FINISHER), OPTICAL TECHNICIAN (OPHTHALMIC SURFACER) / formulated by Optical Wholesalers Association; prepared with the assistance of and registered with the Bureau of Apprenticeship and Training, U.S. Department of Labor. Washington, The Association [1974] 23 p. HD4884.06068

American Orthotics and Prosthetics Association. National apprenticeship and training standards for ORTHOTIC AND PROSTHETIC TECHNICIANS / developed and adopted by the...Association in cooperation with the Bureau of Apprenticeship and Training. Rev. ed. [Washington] Dept. of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, 1976. 20 p.

National Joint Painting and Decorating and Drywall Finishing Apprenticeship and Training Committee. National apprenticeship and training standards for PAINTING AND DECORATING AND DRYWALL FINISHING. Rev. ed. [Washington] U.S. Dept. of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, 1978. 30 p.

National Plastering Industry Joint Apprenticeship Trust Fund Committee. National apprenticeship and training standards for PLASTERING, 1975. [Washington] U.S. Dept. of Labor, Manpower Administration, Bureau of Apprenticeship and Training, 1975. 27 p. HD4884.P5U5 1975

National Joint Plumbing Apprentice and Journeyman Training Committee. National apprenticeship standards for PLUMBING AND STEAMFITTING-PIPEFITTING. Rev. 1977. [Washington] U.S. Dept. of Labor, Manpower Administration, Bureau of Apprenticeship and Training, 1977. 13 p. HD4884.P6N32 1977

Prepared in cooperation with the National Joint Steamfitter-Pipefitter Apprenticeship Committee.

"The standards cover: a definition of a local joint apprenticeship and training committee, registration of local apprentice standards, definitions of apprentice and senior apprentice, qualifications of applicants for apprenticeship, affirmative action and equal opportunity, general apprentice application procedures...term of apprenticeship...related instruction for

National Joint Plumbing Apprentice and Journeyman Training Committee.--Continued
apprentices and senior apprentices, work experience...supervision of apprentices, responsibilities of apprentices and senior apprentices...certificate of completion of training... qualification of employers, and cooperating organizations and agencies. ..."--ERIC abstract (ED 107843)

Washington (State). Dept. of Labor and Industries. PLUMBERS - STEAMFITTERS - REFRIGERATION MECHANICS; eastern Washington & northeast Oregon area plumbers, pipefitters & refrigeration fitters apprenticeship standards, by Emmett Nelson [and] Edwin S. De Tray. Rev. Olympia, 1975. 15, 4 p.

International Brotherhood of Police Officers. National apprenticeship and training standards for the International Brotherhood of POLICE Officers for the training of law enforcement officer. [Washington] Dept. of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, 1977. 17 p.
Developed with the assistance of and registered with the Bureau of Apprenticeship and Training.

National Joint Apprenticeship and Training Committee for the Roofing, Damp and Waterproofing Industry. National apprenticeship standards for ROOFING, DAMPING AND WATERPROOFING / developed and adopted by the National Joint Apprenticeship and Training Committee for the Roofing, Damp and Waterproofing Industry in cooperation with the Bureau of Apprenticeship and Training, U.S. Dept. of Labor. Rev. 1976. [Washington] U.S. Dept. of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, 1976. 37 p.

National Joint Apprenticeship and Training Committee for the Sheet Metal Industry. National apprenticeship and training standards for the SHEET METAL INDUSTRY / [developed by the National Joint Apprenticeship and Training Committee for the Sheet Metal Industry in cooperation with the Bureau of Apprenticeship and Training, U.S. Department of Labor] Rev. 1977. [Washington] U.S. Dept. of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, 1977. 38 p.
"The National Joint Apprenticeship and Training Committee for the Sheet Metal Industry is equally representative of the Sheet Metal and Air Conditioning Contractors' National Association, Inc., and the Sheet Metal Workers International Association."

National Sign, Display, and Allied Workers Industry Joint Apprenticeship and Training Committee. National apprenticeship and training standards for SIGN, DISPLAY, AND ALLIED WORKERS INDUSTRY / [developed by the Sign, Display, and Allied Workers Industry National Joint Apprenticeship and Training Committee in cooperation with the U.S. Department of Labor, Bureau of Apprenticeship and Training] 2d ed., rev. 1976. [Washington] U.S. Dept. of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, 1976. 32 p.
HD4884.P2N34 1976

National apprenticeship and training standards for TRUCK MECHANICS / [developed by the National Joint Apprenticeship Committee for the Trucking Industry in cooperation with the Bureau of Apprenticeship and Training, U.S. Dept. of Labor. Rev. 1977] [Washington] Dept. of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, 1977. 47 p.

National apprenticeship and training standards for TRUCK MECHANICS--Continued
"The minimum requirements and basic procedures for establishing local apprenticeship programs in truck mechanics are presented in the guide. ... Appendix A, covering a major portion of the guide, is a schedule of work processes and recommended related instruction. ..."
--ERIC abstract (ED 150431)

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Arizona. Apprenticeship Council. Report. [Phoenix]
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"This document is designed to identify several types of vocational education programs and activities that are in operation in California's school districts and communities. ... The description of each of these programs includes (where applicable) such aspects as organization, legislation, type of community involvement, advantages, evaluation, and problems."--ERIC abstract (ED 145247)
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California. Dept. of Education. Enrollment report of apprentices in California public secondary and adult schools and community colleges. Sacramento.
Prepared in cooperation with California Community Colleges, Vocational Education Section.
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Issued in cooperation with State Apprenticeship Council.

Florida Apprenticeship Council. Apprenticeship quarterly news letter. [Tallahassee?]
Began publication in 1950.

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"This report reviews activities of a research project having the following objectives: (1) to design and conduct an appraisal of apprenticeship programs in Illinois, with special emphasis on the role of vocational education in the present system; and (2) to provide recommendations and alternatives for building a policy framework to guide vocational education involvement with apprenticeship programs in the future. ..."--ERIC abstract (ED 147488)
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"The Florida Bureau of Apprenticeship and FLORIDA VIEW (Vital Information for Education and Work) joined forces in January 1978 to produce information about apprenticeship training programs available in Florida. ..."--Introduction.

Greco, P.W. Selection indicators for applicants in apprenticeable trades. [Research in progress, 1975, at Northwest Plumbing & Pipefitting, Seattle, Wash.]
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"The objective of the project is to determine by survey and personal contact with apprenticeship committees and employers selection indicators that show success in the apprenticeable trades through a sample of 250 apprentices in the state. ..."--SSIE abstract.

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Cover title: "Apprenticeship: related instruction manual."
"This publication, consisting of four sections, contains information for administrative personnel concerning 'related instruction' for apprentice education in North Carolina's system of community colleges. Related instruction, required courses designed to teach the apprentice that part of his trade which can best be taught in the classroom, is supplemental to the on-the-job training for specific occupations. ..."--ERIC abstract (ED 134251)

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A set of instruction units.
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New York (State). Dept. of Labor. Division of Research and Statistics. Selected New York state apprenticeship statistics, 1974. Albany, 1975. 73 p. (Labor research report, 1975, no.16)

North Carolina. Dept. of Labor. Manual of the North Carolina apprenticeship system. Raleigh [1974?] 17 p.

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Oregon. Bureau of Labor. Key to your future; apprenticeship. [Salem, 1977?] 2 p. (Its Information bulletin no.3)

Oregon. Legislative Assembly. Joint Interim Task Force on Apprenticeship. Report...submitted to members of the sixtieth Legislative Assembly. [Salem] 1977. 38 p.
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Funded under contract no. VTP 2662, Wisconsin State Government.
"The purpose of this project is to identify the feasibility of developing and implementing a pre-apprentice training program for plumbers which would provide students with work exploration in the plumbing trade and a basic terminology and an understanding of the plumbing trade apprentice system. ... If the feasibility study indicates support from employers, then a statewide pre-apprentice program in plumbing would be developed for implementation the following year."--SSIE abstract.

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Training for Louisiana's building trades [high school and postsecondary vocational training program and apprenticeship training opportunities] (In PAR (Public Affairs Research) analysis, Mar. 1975, p.1-19)

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Wisconsin. Dept. of Industry, Labor and Human Relations. Division of Apprenticeship and Training. Regulations on equal employment opportunity in apprenticeship. Madison, 1971. 18 p.

Descriptions of Individual Apprentice Programs

Apprentice program now shaping up; operations to start early in 1975. (In American postal worker, June 1974, v.4, p.28)
"Postal Workers Apprenticeship Program will be entitled 'Skills Progression Program' and cover four objectives, including introduction and reinforcement of correct skills, elimination of erroneous skills, broadening scope of learning and providing meaningful learning." --Work Related Abstracts.

Bacon, H. Freeman. Apprentice training for maintenance employees in the pulp and paper industry. (In TAPPI (Technical Association of the Pulp & Paper Industry) Dec. 1975, v.58, p.90-93)
"One answer to the increasing need for skilled technicians is on-the-job training supplemented by correspondence courses. Such an apprenticeship program should be designed specifically to meet the needs of the particular mill it is to serve. The program described is administered by a committee representing both plant management and unions. The committee determines standards and procedures of the program. Appendices detail a four-year curriculum for an apprentice electrician and standards and operating procedures."--Compendex abstract.

Baker, B. Kimball. Where the key word is "helping"; a national apprenticeship program in prosthetics allows trainees to better themselves and help other people. (In Manpower, Sept. 1975, v.7, p.26-30)

Barthet, Patrick and Emilia Weil. Training lab technicians. (In Consulting engineer, Feb. 1978, v.50, p.78-79)
"The new apprentice program described is based on the firm's successful experience with a similar program for drafting trainees."--Compendex abstract.

Brown, Stephen. Training firefighters through apprenticeships; chief views program as way to expand career opportunities for youth. (In Manpower, Oct. 1974, v.6, p.28-29)
About the apprenticeship program for firefighters at Big Bear Lake, Calif., one of the Nation's first.

Cernota, Henry R. Truck mechanic apprentice training. [n.p.] 1975. 162 p.
"A study was conducted to identify the current needs of truck mechanic apprenticeship training programs, the problems experienced in these programs, and possible solutions to these problems. ... Five areas of need which have caused problems when unfulfilled were identified... A recession-proof system, which includes a built-in reservoir of qualified in-training apprentices, is proposed. ..."--ERIC abstract (ED 146439)

Copperweld training program provides employee opportunity. (In Training and development, Aug. 1975, v.29, p.8-9)
"After years of relying on the school of hard knocks to train its employees, Copperweld Steel Co. in Warren, Ohio implemented a formal apprenticeship training program in 1965 and has realized significant benefits ever since. ... [The programs] combine on-the-job training with independent study... The apprenticeship program...is coordinated by an apprenticeship committee including three representatives from management and three representatives from the union. Those who are interested may bid for entry into the program."--Inform abstract.

Culinary apprenticeships earn respect from labor, management. (In Institutions/volume feeding; magazine of the service world, Feb. 15, 1975, v.76, p.31-32)
San Francisco's three-year culinary apprenticeship program which combines training, study and work, is examined.

A degree and a union card. (In Technical education reporter, May 1974, v.1, p.78)
"Successful completion of dual enrollment programs prepares individuals to be skilled operating engineers (through apprenticeship) and credits academic achievement with associate degrees (from participating colleges) which may be applied toward higher degrees as the graduate/journeymen expand their career opportunities. ..."--ERIC abstract (EJ 097419)

Dwyer, John J. Training to match industry's needs. (In American machinist, June 15, 1975, v.119, p.67-90)
American machinist special report no.678.
Descriptions of apprenticeship and training programs in many different companies.

First apprenticeship program for hardrock miners launched in Utah. (In Engineering and mining journal, June 1977, v.178, p.43)

Grand Rapids trains skilled workers. (In Tooling & production, May 1978, v.44, p.106-107)

Griswold, Nelson. Recruiting for production work. (In Newspaper production, Sept. 1977, v.6, p.19f)
"What is the chief alternative to a shortage of skilled help in a non-urban area for publishers of several newspapers serving a large market. Francis W. Connors and James E. Conley, Jr., co-publishers of 7 newspapers in West Central Wisconsin have set up a coordinated training program. The program joins technical aspects of newspaper production with the programs for vocational graphic arts in the Wisconsin Educational System. ... 'This is a systematic, carefully monitored plan which takes the apprentice through each step in production within the craft discipline he has selected.' At the end of a specified training period, the student-trainee becomes a full-fledged platemaker, cameraman, or other technician."--Inform abstract.

Haas, Jack. Stages of the high-steel ironworker apprentice career. (In Sociological quarterly, Winter 1974, v.15, p.93-108)
"The contingencies & stages of the ironworker apprentice career are described. The analysis of 9 months of participant observation data, most of which was collected by observing ironworkers throughout the construction of a 20 story office building, indicates 4 critical career stages that ironworker apprentices must successfully negotiate in their movement towards acceptance as trusted co-workers. ..."--Sociological Abstracts.

Independent Electrical Contractor. Apprenticeship is the issue. Arlington, Tex., 1978. 28 p.
May/June 1978 issue of The Independent electrical contractor, published by Independent Electrical Contractors, Inc., a subsidiary of the Associated Independent Electrical Contractors of America.
Partial contents.-AIECA's dedication to apprenticeship and education, by John Portwood.-Women in apprenticeship, by Diana Hamblet.-The national AIECA apprenticeship effort, by Terry P. Duncan.

Independent study boosts number of "home grown" craftsmen. (In Training, Feb. 1977, v.14, p.22-23)
"IIT Rayonier Inc. has developed an independent study apprenticeship program to meet its need for skilled craftsmen."--Management Contents abstract.

International Brotherhood of Boilermakers. Your career as a boilermaker... [Kansas City, Kans., 1978?] [12 p.]
Illustrated booklet describing the work of boilermakers, and how to become a boilermaker apprentice.

Joint Industry Board of the Electrical Industry. "A" Apprentice Research Committee. Apprenticeship on the move, a system in review; the story of the electrical industry's apprentice training program in New York City. New York, The Board, 1973. 93 p.
Partial contents.-A brief look at American apprenticeship.-What is an electrical apprentice.-The qualifications of an electrial apprentice: past and present.-Who supervises the apprentice.-The term of apprenticeship.-Progressive achievements.

Lather apprentices train in Kansas City. (In Lather, July 1975, v.75, p.6-7)
"Lather Apprenticeship Training Program conducted at Local 27 Kansas City's Building Training Center is described; aim of program is to turn out fully-qualified journeymen capable of handling any phase of lather's job."--Work Related Abstracts.

Local painters union provides training, jobs. (In Manpower interchange, Oct. 1975, v.1, p.5)
Brief account of a pre-apprenticeship program operated by a local painters' union in Allegheny County, Pa.

Machiaverna, Antoinette. Victory Markets' meat cutter apprentice program combines on the job training with academic study. (In Supermarketing, Jan. 1977, v.32, p.46, 49)
A two year program for the development of meat managers combines 4,000 hours of on the job training with 288 hours of related academic study.--Condensed from Inform abstract.
Article describes details of the program.

National Joint Steamfitter-Pipefitter Apprenticeship Committee. Instruction manual for steamfitter-pipefitter, journeymen & apprentices. 2d ed. Washington, 1977. 512 p.

Osborne, Barbara. Careers for the 70's in diesel mechanics. (In Industrial education, Jan. 1974, v.63, p.12-13)
"Increased employment outlook for diesel mechanics is probably due to the fact that most industries using diesel engines in large numbers are expected to expand their activities. The training and workday of one diesel mechanic is described."--ERIC abstract (EJ 089202)

Polivchak, Philip. A lesson in industry-education partnership. (In American vocational journal, Feb. 1974, v.49, p.49-52)
"The National Association of Home Builders, in cooperation with the Department of Labor and HEW, has designed and implemented a youthful offender program. This program offers job training and placement in carpentry apprenticeships together with basic education and has had a very high success rate."--ERIC abstract (EJ 094078)

Reitz, Richard C. Apprenticeship program. (In Community and junior college journal, Feb. 1974, v.44, p.41)
"Describes an experiment in career training that helped to develop plant maintenance mechanics."--ERIC abstract (EJ 091545)

Rudney, Shirley. Automobile mechanic apprenticeship program. (In Occupational outlook quarterly, Summer 1978, v.22, p.20-21)
"The Nation's automobile dealers have agreed to train 13,000 auto mechanics a year in this new apprenticeship program."

Rudney, Shirley. The saucerer's apprentice. (In Occupational outlook quarterly, Fall 1977, v.21, p.32-33)
About an apprenticeship program for cooks established by the Bureau of Apprenticeship and the American Culinary Federation.

Sundeen, Earl I. New challenge for graphic arts: modernize now. (In School shop, May 1974, v.33, p.28-29)
"The Kodak Graphic Arts manpower study obtained information from over 1000 graphic arts companies as to the educational needs of today in graphic arts. Vocational educators may have to stop thinking in terms of graphic arts education and begin working on curriculums for career education in the communication field."--ERIC abstract (EJ 095758)

Sweet, J.O. Despite problems NESCA's openshop apprentice training program reported making progress. (In Air conditioning, heating, & refrigeration news, Apr. 1, 1974, v.131, p.29-30)

Taylor, Merlin and Harland Randolf. The bricklayer: brick and block construction. Washington, International Masonry Apprenticeship Trust, 1976.
On masonry.

Trauterman, Robert P. Instrument apprentice training program at Allegheny Ludlum Steel Corporation. (In ISA [Instrument Society of America] Joint Spring Conference, 2d. Proceedings. Pittsburgh, Pa., ISA, 1975. p.145-152)
"With the advent of new and modern equipment along with its sophisticated control systems, a program to train instrument repairmen had to be developed, rather than using the older method of Journeyman and Helper. At first the correspondence course system was used with fair results. However, it was found that most of the apprentices were not getting the full benefit of such training without strict personal guidance as to why study various basic engineering principles and how they are applied to instrumentation and control systems. ... The main point in making in-the-plant training pay off is to emphasize how the basic principles apply to the job and show how they apply."--Compendex abstract.

Warren, Alfred S. Personnel development and education - work relations at General Motors. (In Training and development journal, Jan. 1977, v.31, p.9-11)
"General Motors, in an annual training program costing $100 million, offers continuous programs taught by professional training staffs of divisions and plants, as well as many on the job training programs. ... The General Motors Institute has 2,300 male and female students. An ongoing apprentice program includes 3,500 men and women in a four year entry plan for skilled trades. ..."--Inform abstract.

Weibmer, John D. Hard-rock mining apprenticeship program launched at Kennecott's Tintic mines division. (In Mining engineering, June 1977, v.29, p.37-38)
"Professional and safety aspects of new training program are analyzed. Curriculum and teaching methods are evaluated."--Compendex abstract.

Welty, Gus. Apprentice-training; the route to take at BN [Burlington Northern's Mechanical Department] (In Railway age, Sept. 12, 1977, v.178, p.46)

Wilson, Glenn D. [and others] Measurement of motivation in predicting industrial performance: a study of apprentice gas fitters. (In Journal of occupational psychology [Gt. Brit.] 1972, v.46, p.15-24)
The article discusses validity of tests measuring work-related motivation given 188 apprentice gas fitters.--Condensed from Psychological Abstracts.

Wirfs, Ralph M. Surviving the '70's - IUOE Local 3. (In Job safety and health, Sept. 1977, v.5, p.8-16)
"It will take more than muscle for unions to maintain and enhance their power, according to Dale Marr, business manager of the largest construction local in the world. If employers hope to thrive, they must come to feel that there is a real advantage to hiring men from a union. Under Marr's leadership, Local 3 in recent years has demonstrated how a union competes...by providing the employer with a good day's work for a day's pay. To accomplish this ...Local 3 built a training facility where apprentices learn the craft properly and thoroughly and where journeymen can come to refresh or add to their skills. ..."--Inform abstract.

Yocum, Bud. Apprentice program surges ahead--certification program differences outlined. (In International firefighter, Jan. 1977, v.60, p.4-6)
Discusses the 5-year history of the IAFF-Dept. of Labor apprenticeship standards for fire fighters and outlines in detail the differences between the IAFC-IAFF Joint Apprenticeship Program and the Certification Program of the National Professional Qualifications Board for the Fire Service.

Apprentice program launched for auto mechanics. (In ETA interchange, Jan. 1977, v.3, p.1-4)
Describes a new program organized by the National Automobile Dealers Association and the Dept. of Labor, to recruit and train 13,000 persons a year as apprentice automotive mechanics.

Minority and Disadvantaged Groups in Apprenticeship

Anchorage crafts set training program. (In AFL-CIO news, July 20, 1974, v.19, p.2)
"Government grant will enable Anchorage Building & Construction Trades Council to recruit and train Alaskan minority youths--mostly Aleut Indians, Eskimos and blacks--for building trades apprenticeships."--Work Related Abstracts.

Building trades, Navajo nation reach pioneer job training pact. (In AFL-CIO news, Jan. 25, 1975, v.20, p.8)
"AFL-CIO Building & Construction Trades Dept. and American Indian group sign agreement under which Navajo workers will train as apprentices in number of trades."--Work Related Abstracts.

Cardenas, Gilbert. Apprenticeship training: the Hispanic experience in the U.S.
A project still in progress, carried on at Pan American University, Edinburg, Tex., under a grant from the Employment and Training Administration, U.S. Dept. of Labor; the objectives are "to examine the nature and extent of Hispanic American participation in apprenticeship training programs, specify the process of entry or barriers to entry, and recommend methods of enhancing Hispanic participation."--U.S. Dept. of Labor. Employment and Training Administration. Research and development projects. 1978 ed. p.91.

Crafts to assist minority youths. (In AFL-CIO news, July 19, 1975, v.20, p.6)
"Labor Dept. grants to Building and Construction Trades Councils in Alaska and Calif. for apprenticeship training of 171 minority youths are announced."--Work Related Abstracts.

David, Bernice F. LEAP, in the right direction. (In Worklife, Aug. 1976, v.1, p.8-13)
Describes the Labor Education Advancement Program (LEAP) sponsored by the National Urban League, which has opened career opportunities for nearly 17,000 minority men and women in nine years. It is aimed at getting minority groups into apprenticeships in the building and construction unions.

Glover, Robert W. Fostering minority enterprise in construction; final report. Austin, Tex., Center for the Study of Human Resources, University of Texas, 1975. 248 p.
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Prepared under contract no.81-46-70-24 from the Manpower Administration, U.S. Dept. of Labor.
Available from National Technical Information Service; PB-243 482.
Includes some references to apprenticeship.

Green, Ernest G. Apprenticeship: a potential weapon against minority youth unemployment. (In From school to work: improving the transition. A collection of policy papers prepared for the National Commission for Manpower Policy. [Washington, U.S. Govt. Print. Off., 1976] p.201-226) HD6295.F76
"This paper focuses on apprenticeship training, its relationship to minorities, and its potential for reducing youth unemployment.
"It covers in detail the nature of apprenticeship as it has developed in the United States and what it is today, how apprenticeship training is administered and funded, and the role of unions, employers, and federal and state government. ..."--p.201.

Hill, Herbert. Evading the law: apprenticeship outreach and hometown plans in the construction industry. (In Civil rights digest, Summer 1974, v.6, p.3-17)
"A critical analysis of the failure of apprenticeship outreach programs and hometown plans to eliminate patterns of racial descrimination in employment in the construction industry." --ERIC abstract (EJ 108480)

Hill, Herbert. Labor union control of job training: a critical analysis of apprenticeship outreach programs and hometown plans. [Washington, Institute for Urban Affairs and Research, Howard University, 1974] 129 p. (Occasional paper - Institute for Urban Affairs and Research, Howard University; v.2, no.1) HD4903.3.B9H5

Jackson, John H. and John A. Fossum. Attitudes of apprenticeship committee members toward affirmative action programs: a preliminary examination. (In Labor law journal, Feb. 1976, v.27, p.84-88)
"This study examines racial prejudice among JAC [Joint Apprentice Committee] members through indirect measures of 'ethnocentrism,' and compares the attitudes toward Affirmative Action Programs of union and management members on these committees. ...an overall view of attitudes likely to contribute to resistance to Affirmative Action Programs can be inferred."--p.85.
Discussion, May and Oct. 1976, p.316-317 and p.662-663.

Kelsey, P.A. Pre-apprenticeship training results in placement of 13 previously unskilled workers. (In Air conditioning, heating & refrigeration news, Oct. 3, 1977, v.142, p.16)

Manning, Diane B. Navajos sign an apprenticeship pact. (In Worklife, Mar. 1977, v.2, p.23-28)
"Discusses the Navajo tribe's joining with the AFL-CIO Building and Construction Trades Unions to develop an apprentice job training program geared to the special employment problems of Navajos and to the projected labor needs for construction projects on or near the reservation. ..."--ERIC abstract (EJ 156651)

Medoff, Marshall H. Discrimination, blacks and the apprenticeship trade programs. (In Negro educational review, Oct. 1975, v.26, p.147-154)
"Discusses the factors emphasized by the apprenticeship establishment (trade unions and employers) in explaining the paucity of black apprentices. Argues that since the lack of participation by blacks in apprenticeship programs is due primarily to discrimination, increased government action to guarantee blacks equal access in apprenticeship programs is necessary."--ERIC abstract (EJ 131864)

Medoff, Marshall H. Investing in human capital: the lack of black apprentices. (In Review of black political economy, Winter 1977, v.7, p.176-182)
Examines the reasons given for lack of participation by Blacks in apprenticeship training programs; concludes the reason is exclusion by trade unions on the basis of race.

National Urban League. Labor Education Advancement Program. Apprenticeship handbook for guidance counselors. New York [19--] 88 p. in various pagings.

Navajo Indians in pre-apprenticeship. (In Carpenter, Apr. 1974, v.94, p.15)
"New Mexico Carpenters Apprenticeship and Journeymen Training Fund implements training of several young American Indians at Four Corners Power Plant, Farmington, N.M. under Carpenters-Manpower Development Training Act program."--Work Related Abstracts.

Number of minority apprentices rises. (In ETA interchange, Nov. 1976, v.2, p.2)
Statistics on registered apprentices from 1970-75, with discussion.

Project Outreach gets another U.S. grant. (In JAW solidarity, Sept. 1974, v.17, p.14)
"Auto Workers' program to train disadvantaged for employers' acceptance for apprenticeship training has received fifth yearly federal grant from Labor Dept."--Work Related Abstracts.

Project Upgrade, Inc. Final report of Project Upgrade, Inc. Property Rehabilitation Employment Program (P.R.E.P.) Prepared by Minority Builder, Inc., Oakland, Calif. Springfield, Va., National Technical Information Service, 1976. 30 p. (PB-262 175/3GA)
HD5853.4.02P7
Prepared under contract EDA-07-6-01452-1 with U.S. Economic Development Administration, Washington, D.C.
"...a general overview of the P.R.E.P. program which attempted to come to grips with the problems of construction industry and unemployment. The organization's primary objective was to provide a work experience for disadvantaged youths who were interested in the building trades, but who do not qualify for apprenticeship training. Another objective of P.R.E.P.'s was to rehabilitate properties owned by low-income individuals..."--NTIS abstract.

Shickler, William J. Increases in minority group apprenticeships. (In Worklife, Dec. 1978, v.3, p.23)
Includes table: "Minority representation, apprenticeship programs, 1977, ten largest occupational groupings."

A study of the Pittsburgh Plan / Otto A. Davis...[et al. Pittsburgh] Carnegie-Mellon University, School of Urban and Public Affairs [1976] 246 p. HD4903.3.B9S78
Prepared for the Employment and Training Administration, U.S. Dept. of Labor, under research and development grant no.21-42-74-20.
Available from National Technical Information Service, Springfield, Va. (PB-261 819/AS)
The Pittsburgh Plan, a voluntary hometown plan designed to place minorities in local building trade unions, is described in detail from the perspective of its operations, its effectiveness in carrying out its purpose, and the individuals it serves.
"The core of the report is Part II, a set of conclusions and recommendations for improved operation of programs such as the Pittsburgh Plan. Detailed recommendations are presented for the two primary program functions, union placement and pre-apprentice training."--Introduction.

U.S. Commission on Civil Rights. The challenge ahead: equal opportunity in referral unions; a report. Washington, 1976. 291 p. HD4903.5.U5A652
Includes information on apprenticeship.

U.S. Commission on Civil Rights. Employment discrimination in the construction industry in Baltimore. Washington, 1974. 59 p.
Includes data on apprenticeship.

U.S. Federal Committee on Apprenticeship. Subcommittee on Equal Apprenticeship Opportunity. Report of meeting of FCA Subcommittee on Equal Apprenticeship Opportunity. Washington, U.S. Dept. of Labor, Employment and Training Administration. HD4885.U5A36
Library has 1977 and 1978 reports.

U.S. General Accounting Office. Federal efforts to increase minority opportunities in skilled construction craft unions have had little success. Report to the Congress by the Comptroller General of the United States. Washington, 1979. 85 p.
"HRD-79-13." "B-167015."
March 15, 1979.
"Major Federal equal employment opportunity programs have had little success in increasing job opportunities for minorities in skilled construction unions, such as electricians, plumbers, and iron workers. Although the number of minorities participating in these craft apprenticeship programs has increased, the number of minority journeymen in these unions has increased only slightly. ..."--NTIS abstract.

Washington, George. Retention of minority youth placed by the Denver apprenticeship outreach program. Waltham, Mass., 1974. 151 p.
Thesis - Brandeis University, the Florence Heller Graduate School for Advanced Studies in Social Welfare.
Abstracted in Dissertation abstracts international, July 1974, v.35, p.577A.
"Purpose of this study is to explore the relationship between the success or failure of minority youth in construction industry apprenticeship programs and their motivation to work with some emphasis given to certain demographic characteristics of the individual apprentice ..."

White, David L. Factors influencing non-white participation in apprenticeship programs in selected building trades unions in New Jersey. New Brunswick, N.J., 1973. 107 p.
Thesis - Rutgers University.
Abstracted in Dissertation abstracts international, Jan. 1974, v.34, p.4116A.

Women in Apprenticeship

Baker, B. Kimball. How to succeed in a journeyman's world. (In Manpower, Nov. 1975, v.7, p.38-42)
Describes the expanding participation of women in the skilled trades, through apprenticeship programs, and the role of the Manpower Administration in encouraging women to enter these occupations.

Briggs, Norma. Women apprentices: removing the barriers, project challenges stereotypes of sex roles in the workplace. (In Manpower, Dec. 1974, v.6, p.2-8f)
About the Women in Wisconsin Apprenticeships project, which sought to find out why women were not in the skilled trades and how to minimize obstacles to their entry there.
Also in Education digest, Apr. 1975, v.40, p.40-43.

California. Division of Apprenticeship Standards. Women apprentices, by occupation, California, December 1970-December 1975. [Sacramento] 1976. 2 p.

California opens 590 apprentice training programs to women. (In Air conditioning, heating and refrigeration news, Mar. 1, 1976, v.137, p.1f)

Changing patterns; woman Air Force machinist finds job a lot like sewing. (In Manpower, Dec. 1974, v.6, p.12-13)
Interview with the first woman to complete a machinist apprenticeship program run by the Air Force.

DOL sets goal of 25% women apprentices; new rate effective by 1980. (In ETA interchange, May 1, 1979, v.5, p.1f)
Based on a speech by deputy administrator of the Bureau of Apprenticeship and Training.

Getting more women into apprenticeship--why not. (In Training, Oct. 1977, v.14, p.88-89)
"A very successful project (funded by the Manpower Administration) which increased the number of women in apprenticeships is discussed. Obstacles such as entry and qualification procedures, encouragement and counseling of female candidates and employer motivation are examined."--Management Contents abstract.

Halmos, E.E. Affirmative action required: new Labor Dept. regulations on women in apprenticeship may be challenged in court. (In Air conditioning, heating & refrigeration news, June 19, 1978, v.144, p.1f)

Harkison, Judy. Stamped with approval by the Women's Bureau. (In Worklife, Jan. 1978, v.3, p.26-32)
About three programs serving as models for prime sponsors in setting up other programs to train and place women in nontraditional employment, including apprenticeships.

Indianapolis 53B women first binder ones in state. (In Graphic arts unionist, May/June 1976, v.13, p.5)
Two women Graphic Arts union members successfully completed their apprenticeships as journeywomen bookbinder "ones". With photographs.

Labor Department asks more women in apprenticeship. (In Journal of the International Union of Bricklayers and Allied Craftsmen, May 1979, v.83, p.5)
Report of a speech by James P. Mitchell, deputy administrator of the Bureau of Apprenticeship and Training, to a women's conference in Chicago.

Lederer, Muriel. The plumber's here and he's a woman. (In American education, Dec. 1974, v.10, p.6-9)

Libach, N. California firms will have to step up hiring of female apprentices. (In American machinist, Apr. 1976, v.120, p.119)

Luciano, L. Be an apprentice; women and blue collar jobs. (In Seventeen, Apr. 1977, v.36, p.55)

Mitchell, Brad. Women with a lot of voltage. (In Worklife, Apr. 1977, v.2, p.28-30)
"Describes a 17-week preapprenticeship training program developed (through a CETA grant) cooperatively by the Lansing (Michigan) Tri-county Manpower Consortium, Lansing Community College, and Local 665 of the International Brotherhood of Electrical Workers. The program is designed to provide women with basic skills and knowledge necessary to be accepted by the Union as apprentice electricians."--ERIC abstract (EJ 158216)

More women apprentices breaking old taboos. (In RWDSU record, Feb. 1975, v.22, p.11)
Illustrated with photographs of women apprentices and women workers in non-traditional occupations.

More women expected to enroll in apprenticeship training. (In Daily labor report, Apr. 9, 1979, no.69, p.A6)
Brief report of a speech by James P. Mitchell, deputy administrator of the Bureau of Apprenticeship and Training, to a Chicago women's conference, discussing goals and regulations for women's participation.

More women urged for trades. (In Lather, 1977, v.77, no.3, p.2)
"Lathers Union Exec. V-P Robert A. Georgine addresses issue of women who want to enter construction industry in letter to state and local councils. System called Apprenticeship Outreach Program already operating in 99 cities will be used to recruit, prepare and place qualified women applicants."--Work Related Abstracts.

New apprenticeship rules are proposed for women. (In Engineering news-record, Oct. 20, 1977, v.199, p.75)

Number of women in blue-collar jobs is on the rise. (In ETA interchange, Apr. 1976, v.2, p.12)
Discusses increases in the numbers of women in apprentice training in occupations formerly reserved for men.

RJ Associates, Inc. Problems of women in apprenticeship; prepared by Roslyn D. Kane [and others] Arlington, Va., 1977. 147, [13] leaves.
Research performed pursuant to a contract with the Vocational Education Research Branch, Bureau of Occupational and Adult Education, Office of Education, U.S. Dept. of Health, Education and Welfare.
"Our purpose...was to determine why so few women applicants were being admitted to apprenticeship. What was the difference between the unsuccessful applicant and the successful apprentice? ..."--Introduction.

Rules set on equal employment for women in apprenticeship. (In ETA interchange, June 1978, v.4, p.4)
About amendments to Dept. of Labor regulations being published in the Federal Register May 12, with background of the changes.

U.S. Dept. of Labor. Office of the Secretary. Equal employment opportunity in apprenticeship and training. Title 29, subtitle A, part 30. Final rule. (In Federal register, May 12, 1978, v.43, p.20759-20778)
Amends the regulations concerning equal employment opportunity in apprenticeship and training to include specific provisions requiring affirmative action for women.

U.S. Women's Bureau. Steps to opening the skilled trades to women. Washington, 1974. 9 p.
"Employers' and unions' acceptance in attitude and practice of the equal capacity of women to function in the skilled trades and other apprentice-type jobs depends upon knowledge of facts, actual experience, and understanding of equal opportunity laws, according to the authors of the document, which offers to employers first steps to take to increase the employment of women in the skilled trades, steps to take to better utilize women workers once they have been hired, and steps unions can take to open the skilled trades to women. Advice is offered to women on accelerating their entry into skilled trades, and special programs now underway to help women enter the skilled trades are enumerated and briefly described."--ERIC abstract (ED 099546)

U.S. Women's Bureau. A woman's guide to apprenticeship. [Washington] U.S. Dept. of Labor, Women's Bureau, 1978. 24 p. HD4885.U5A38
Partial contents.-Women as skilled craft workers.-The apprenticeship system.-Barriers to women in apprenticeship.-How to become an apprentice.-Federal laws and regulations affecting apprenticeship.

U.S. Women's Bureau. Women in nontraditional jobs: a program model. Denver: better jobs for women. Washington, 1978. 60 p.
Describes an outreach program designed to place women in apprenticeships or similar unsubsidized on-the-job training programs in the skilled trade occupations.
Part of a series on Women in nontraditional jobs. Other titles: Women in nontraditional jobs: a workshop model. Working with employers to develop jobs.-Women in nontraditional jobs: a program model. Boston: nontraditional occupations program for women.

What's her line? Construction carpenter...and demonstrator of cordless tools. (In Carpenter, Mar. 1974, v.94, p.12)
"First female apprentice under training program at Carpenters Local 1098, Baton Rouge, La., and official representative of Disston, Inc., also demonstrates firm's construction tools for hardware show visitors."--Work Related Abstracts.

Apprenticeship Contests

Carpenter apprentices compete for trophies. (In AFL-CIO news, Nov. 30, 1974, v.19, p.3)
"Results of Carpenters' 1974 Intl. Apprenticeship Contest are given."--Work Related Abstracts.

Carpenters select top apprentices. (In AFL-CIO news, Dec. 11, 1976, v.21, p.3)
"1976 Intl. Carpentry Apprenticeship Contest jointly sponsored by Carpenters, Associated General Contractors and Natl. Assn. of Home Builders, drew 84 contestants from 40 states and 5 Canadian provinces."--Work Related Abstracts.

Contest draws 85 carpenter apprentices. (In AFL-CIO news, Jan. 7, 1978, v.23, p.7)
"Recently concluded 11th annual international carpentry apprenticeship contest at Anaheim, Cal. drew largest number of contestants in history of competition; contest is sponsored by Carpenters Natl. Joint Carpentry Apprenticeship & Training Com. and Natl. Assn. of Home Builders."--Work Related Abstracts.

NAPHCC to continue apprentice contest. (In Air conditioning, heating, & refrigeration news, July 15, 1974, v.132, p.4)

Outstanding apprentice award won by Calhoon MEBA school student. (In American marine engineer, Jan. 1978, v.29, p.5)
"Natl. Transportation Apprentice Training Conference (NTATC) awards prize to Marine Engineers' student."--Work Related Abstracts.

Photo album of the 1976 international carpentry apprenticeship contest. (In Carpenter, Feb. 1977, v.97, p.5-10)
"Winners, contestants are listed from Carpenters' contest in Las Vegas. Categories include carpenters, mill-cabinet makers and millwrights."--Work Related Abstracts.

Prizes won by members of Sheet Metal Workers. (In Labor, May 30, 1975, v.58, p.2)
"Results are given of 1975 Apprenticeship Contest sponsored jointly by Natl. Training Fund of Air Conditioning Industry and union."--Work Related Abstracts.

Sheet metal apprentices display skills. (In AFL-CIO news, May 22, 1976, v.21, p.10)
Winners of the Sheet Metal Workers annual apprentice contest which includes a week of shop work and tests covering the technical and academic skills required of sheet metal apprentices.

Sheet metal apprentices win honors. (In AFL-CIO news, July 27, 1974, v.19, p.2)
"Sheet Metal Workers holds second national apprentice contest in co-sponsorship with Sheet Metal & Air Conditioning Assn."--Work Related Abstracts.

States and provinces begin apprentice competitions. (In Carpenter, June 1974, v.94, p.26)
"Sixteen state joint apprenticeship groups and one provincial committee select state or provincial entries for Intl. Carpenters Apprenticeship Contest, Nov. 17-23."--Work Related Abstracts.

Miscellaneous Brief Articles

AGC challenges government on EEO and apprenticeship. (In Engineering news-record, Oct. 28, 1976, v.197, p.41)

Amtrak, union sign apprenticeship pacts. (In Labor, Mar. 2, 1977, v.59, p.6)
"Apprenticeship training for shopcraft workers has been negotiated by Joint Council of Carmen, Helpers and Apprentices and by Electrical Workers (IBEW)."--Work Related Abstracts.

Apprentice coordinators meet in Kansas. (In Journal of the Bricklayers, Masons and Plasterers International Union of America, May 1974, v.78, p.10-11)
"Highlights of three-day conference, first Natl. Apprenticeship Coordinator's Meeting held by Bricklayers and attended by over 100 participants, are presented."--Work Related Abstracts.

Apprentice program created. (In GBBA horizons, Sept. 1977, v.25, p.6)
"Apprentice program jointly sponsored by Glass Blowers and Glass Container Manufacturers has won approval of U.S. Dept. of Labor."--Work Related Abstracts.

Apprentice program now shaping up; operations to start early in 1975. (In American postal worker, June 1974, v.4, p.28)
"Postal Workers Apprenticeship Program will be entitled 'Skills Progression Program,' and cover four objectives, including introduction and reinforcement of correct skills, elimination of erroneous skills, broadening scope of learning and providing meaningful learning."--Work Related Abstracts.

Apprentice programs best for mechanics. (In Machinist, Dec. 12, 1974, v.19, p.4)
Brief report on IAM Automotive Conference, which recommended, among other things, that joint labor-management apprenticeship programs be negotiated in every IAM auto and trucking agreement.

Apprentice training pays dividends. (In American machinist, Feb. 1977, v.121, p.112-113)

Apprenticeship achieves '77 craftsworker record; more than 54,000 apprentices complete registered programs. (In ETA interchange, Oct. 1978, v.4, p.1f)
Recent statistics on the apprenticeship program.

Apprenticeship and training: 'vital to the future.' (In Painters and allied trades journal, Mar. 1974, v.88, p.6)
"Painters executive board calls upon local unions for maximum effort to include provisions for contributions to IBPAT Natl. Training Trust Fund in coming collective bargaining negotiations."--Work Related Abstracts.

Apprenticeship growth spurts in '64-'74 decade. (In ETA interchange, Mar. 1976, v.2, p.4)
Includes statistics on registered apprentices as reported by the U.S. Bureau of Apprenticeship and Training.

Apprenticeship program to expand. (In Occupational outlook quarterly, Fall 1977, v.31, p.43)
"Labor Dept. plans to establish nationally recognized apprenticeships for occupations that do not now have strong apprenticeship programs and to improve apprenticeship opportunities for veterans, minority group members, and women."--Work Related Abstracts.

Apprenticeship takes new road; variety of programs funded. (In ETA interchange, Nov. 1977, v.3, p.1f)
Describes some of the new initiatives being undertaken to expand the application of apprenticeship, with the help of CETA funds. Innovative programs have been developed and apprenticeship introduced into whole new occupational fields.

Apprenticeships and the labor laws. (In Craft horizons, Aug. 1975, v.35, p.6)

Army set to sponsor apprentice programs. (In AFL-CIO news, July 19, 1975, v.20, p.3)
"Army acceptance of national apprenticeship standards for training soldiers as skilled craft workers is announced by Labor Dept. and Army."--Work Related Abstracts.

Banquet marks Apprentice Act. (In ETA interchange, Aug. 1977, v.3, p.1f)
Describes plans for 40th anniversary celebration of passage of the National Apprenticeship Act.

Baum, R. Apprentice makes perfect. (In Industrial photography, Feb. 1978, v.27, p.10f)

Big open shop contractors train their workers in-house. (In Engineering news-record, Jan. 6, 1977, v.198, p.16-17)

Bricklayers get new training pact. (In AFL-CIO news, Aug. 7, 1976, v.21, p.7)
"Labor Dept. contract with union provides apprenticeship entry opportunities for 300 disadvantaged workers and upgrading of journeymen skills."--Work Related Abstracts.

California rejects open-shop apprentice plan cutting across craft lines. (In Air conditioning, heating & refrigeration news, May 31, 1976, v.138, p.1f)

Changes in apprenticeship meet stiff opposition. (In Engineering news-record, Mar. 20, 1975, v.194, p.172)

Chicago Local 245 graduates 252 students. (In Graphic arts unionist, Sept./Oct. 1974, v.11, p.18)
"252 apprentices and journeymen receive diplomas in annual graduation ceremonies at Chicago Local 245 Graphic Arts Institute, Graphic Arts Union's largest of 60 training programs and schools."--Work Related Abstracts.

Federal aid-to-education should include apprentice training. (In Machinist, Oct. 17, 1974, v.29, p.3)
"Machinist member of Fedl. Com. on Apprenticeship, speaking to Natl. Transportation Apprenticeship and Training Conference asks government subsidization of apprenticeship."--Work Related Abstracts.

Federal court confirms open shop apprenticeship program. (In Air conditioning, heating & refrigeration news, Aug. 5, 1974, v.132, p.14)

Fire fighters to help train paramedics. (In AFL-CIO news, Sept. 17, 1977, v.22, p.5)
"Fire Fighters (IAFF) and Assn. of Fire Chiefs have been awarded nationwide union-management apprenticeship contract by Labor Dept. to train emergency ambulance crews and paramedics in special lifesaving techniques."--Work Related Abstracts.

GAIU's education director heads federal program. (In Graphic arts unionist, July/Aug. 1974, v.11, p.10)
"New co-chairman of Natl. Apprenticeship and Training Directors Conference for 1974-1976 term is Graphic Arts Union's director of education John A. Stagg; government will designate management representative."--Work Related Abstracts.

Government eases up on use of apprentices. (In Engineering news-record, Aug. 14, 1975, v.195, p.49)
About new regulations on use of apprentices issued by the Dept. of Labor. The former requirement for maximum use of apprentices is made optional now.

HLS president asked to serve on Federal Committee on Apprenticeship. (In Seafarers log, July 1974, v.36, p.3)
"Hazel Brown, head of Seafarers' [Harry] Lundeberg School, has been asked to serve as public member of newly reactivated Fed. Com. on Apprenticeship."--Work Related Abstracts.

HRDI urges plan to aid apprentices. (In AFL-CIO news, May 17, 1975, v.20, p.7)
"Machinists holds Tool & Die Conference; Acting director of AFL-CIO Human Resources Development Institute noted that apprenticeship programs have declined sharply in recent years."
--Work Related Abstracts.

Halverson, G. Apprenticeship on the rise. (In Christian Science monitor, May 12, 1977, v.69, p.2)
"Government statistics show rise in apprenticeship with more women joining than ever before. Skills background's popularity is accounted for by its offer of job security, with good wages (50 percent of journeyman wages in first year, 90-95 percent by fourth and last year.)"--Work Related Abstracts.

Homegrown work force aids tool-up in Tennessee. (In Tooling and production, June 1977, v.43, p.106)

IAFF/IAFC awarded $1,250,000 grant for EMT training program. (In International firefighter, Oct. 1977, v.60, p.4)

IAM signs auto mechanic training pact. (In AFL-CIO news, Jan. 22, 1977, v.22, p.6)
"Machinists contract with Labor Dept. provides for recruiting and training 1,500 new apprentice mechanics in auto and truck repair field."--Work Related Abstracts.

IAM's apprenticeship coordinators map plans to recruit 1,500 mechanics. (In Machinist, Apr. 1977, v.31, p.11)
"Machinists' apprenticeship representatives meet to plan fulfillment of contract with Labor Dept. to recruit, train mechanics."--Work Related Abstracts.

IUE gets apprenticeship funding. (In IUE news, Apr. 1977, v.28, p.3)
"Two-year grant is awarded Electrical Workers by Labor Dept. to train apprentices."--Work Related Abstracts.

Kelsey, P.A. Open shop: apprenticeship training assn. formed by Fla. contractors. (In Air conditioning, heating & refrigeration news, Jan. 12, 1976, v.137, p.3f)

Labor Dept. selects NAGE/IBPO. (In Fednews, Sept. 1977, v.14, p.11)
"Labor Dept. awards Police Officers (IBPO) $373,000 contract to develop first-ever apprenticeship program for police officers throughout U.S."--Work Related Abstracts.

Labor Dept. study shows apprenticeship is route to steadier jobs, promotions. (In Air conditioning, heating & refrigeration news, Sept. 8, 1975, v.136, p.1f)

Labor, management, gov't., mark Apprentice Act. (In Lather, 1977, v.77, no.4, p.4)
"Fortieth anniversary of signing of National Apprenticeship Act is commemorated with some 600 representatives of industry, trade unions and government gathered. Construction, manufacturing services and transportation industries employ 92% of 255,000 registered apprentices in country."--Work Related Abstracts.

Labor Secretary certifies program. (In Paperworker, Oct. 1977, v.5, p.3)
"Paperworkers apprenticeship standards program is officially certified by U.S. Labor Dept.'s Bur. of Apprenticeship Training. Implementation of standards throughout pulp and paper industry will be made possible by one-year Labor Dept. grant under which UPIU must generate at least 1500 apprenticeships."--Work Related Abstracts.

Long lines of applicants for apprenticeship in Chicago. (In Carpenter, June 1974, v.94, p.26)
"Chicago District Council of Carpenters accepts applicants for Apprenticeship and Training program which begins this fall."--Work Related Abstracts.

Marine Corps launches apprentice credit plan. (In AFL-CIO news, July 30, 1977, v.22, p.6)
"Apprenticeship programs meet Labor Dept. standards to enable Marines to earn credits while on active duty toward journeyman status in related civilian craft skills; programs are similar to those set up earlier by Army and Navy."--Work Related Abstracts.

More skilled workers: goal of revived apprenticeship panel. (In Industry week, Aug. 19, 1974, v.182, p.19-20)
"Fedl. Com. on Apprenticeship is scheduled to meet and consider goals set by Task Force on New Initiatives in Apprenticeship in three areas--expansion of apprenticeship and journeymen training, promotion of equal opportunity in apprenticeship and standards protecting apprentices' welfare."--Work Related Abstracts.

Movie previews 'creative' transition. (In Manpower, Jan. 1974, v.6, p.27)
"Project Transition, national effort in which federal and state agencies, unions, and private businesses work together to aid servicemen in moving from military life into civilian occupations, helps former airman launch civilian career as plasterer."--Work Related Abstracts.

NAHB to develop a new kind of apprenticeship program. (In Engineering news-record, Sept. 22, 1977, v.199, p.193)

NLRB judge backs hair rules for apprentices. (In Air conditioning, heating & refrigeration news, June 23, 1975, v.135, p.1)

Navy, Labor Dept. sign apprenticeship accord. (In AFL-CIO news, May 22, 1976, v.21, p.10)
"Navy enlisted personnel in selected occupations may now receive civilian certified recognition for their active-duty training under an agreement signed by the Navy and the Labor Dept.
"Sailors who sign up for the program will complete Navy training requirements and at the same time complete a formal apprenticeship program patterned after those in private industry."

New Labor Dept. program will expand apprenticeship projects. (In Air conditioning, heating & refrigeration news, Oct. 18, 1976, v.139, p.1)

New report sets 1974 apprenticeships at record high. (In ETA interchange, Feb. 1976, v.2, p.8)
Statistics of the number of registered apprentices and new apprentices in the United States in calendar year 1974. Figures for participation by minorities, women, and Vietnam-era veterans are included.

New Secretary backs apprentice expansion. (In AFL-CIO news, Jan. 29, 1977, v.22, p.1)
"Secretary of Labor R. Marshall states views on apprenticeship on ABC's Issues and Answers program."--Work Related Abstracts.

O'Brien, P.F. Apprentice program needs your help. (In International firefighter, Dec. 1977, v.60, p.3-4)
"Status of Firefighters training program covering broad spectrum of fire service is discussed by program's director."--Work Related Abstracts.

Outreach and OJT programs should be halted, GAO says. (In Engineering news-record, May 11, 1978, v.200, p.66)

Outreach plans set high retention rate. (In AFL-CIO news, Aug. 7, 1976, v.21, p.7)
"New study by Human Resources Development Institute reinforces fact that apprenticeship system is most viable system for producing qualified skilled craftsmen."--Work Related Abstracts.

Painters share in training pact. (In AFL-CIO news, May 22, 1976, v.21, p.10)
Reports on a contract between Labor Dept. and National Joint Painting, Decorating, Drywall Apprenticeship and Training Committee, to train Vietnam veterans and jobless workers.

Plumbers beef up organizing funds. (In AFL-CIO news, Aug. 28, 1976, v.21, p.6)
"Dues structure of Plumbers is revised at convention and delegates voted to reduce apprenticeship program from five years to four."--Work Related Abstracts.

Recio, M. Builder apprenticeship programs fail. (In Housing, July 1978, v.54, p.24)

ST Council urges training step up. (In IUE news, Feb. 1977, v.28, p.6)
"Electrical Workers Skilled Trades Council at January meeting calls for increased efforts to negotiate industrial apprenticeship programs."--Work Related Abstracts.

Shevis, J.M. Expanded, new programs urged for apprenticeship. (In AFL-CIO news, Aug. 20, 1977, v.22, p.1-2)
"Labor, management and government leaders mark 40th anniversary of signing of National Apprenticeship Act."--Work Related Abstracts.

Snyder, S.H. Attitudes of modern apprentice shaped by rapid changes in printing technology. (In News and views [International Printing Pressmen and Assistants' Union of North America] May 1974, v.6, p.5)
"Attitude of today's young adult apprentice is one of ambition and apprentice himself is likely to emerge as more versatile and better educated journeyman/foreman."--Work Related Abstracts.

Studies Center to draft apprentice degree plan. (In AFL-CIO news, Mar. 4, 1978, v.23, p.12)
"Labor Dept. awards contract to develop program for apprentices leading to associate in labor studies degree with AFL-CIO Labor Studies Center providing leadership for network of community colleges, employers, ..."--Work Related Abstracts.

Survey flattens myths most people believe about new craft apprentices. (In International Printing and Graphic Communications Union news and views, Apr. 1975, v.7, p.10)
"U.S. Manpower Administration finds, on surveying 3000 registered apprentices, one in five has father in trade, 95 percent are high school graduates, 70 percent are married; other characteristics are reported."--Work Related Abstracts.

UA's Ward reports on shift to 4-year apprenticeship program, hits high absenteeism on jobs. (In Air conditioning, heating & refrigeration news, Dec.6, 1976, v.139, p.1-2)

UAW backs new apprentice plan. (In UAW solidarity, Apr. 1, 1977, v.20, p.9)
"Auto Workers sign agreement with U.S. Labor Dept. to train 1,000 apprentices in private industry."--Work Related Abstracts.

Union chiefs cite importance of apprenticeship on the rails. (In Labor, Nov. 6, 1976, v.58, p.3)

"Major presentations at recent Natl. Transportation and Training Conference by officers of Rail Signalmen and Rail Carmen stress needs resulting from new, complex and sophisticated equipment and cooperation between rail unions and management."--Work Related Abstracts.

U.S. locals urged to support IAFC/IAFF apprentice program. (In International firefighter, Mar. 1976, v.59, p.11)

"Joint apprenticeship program co-sponsored by Firefighters and Firechiefs is funded by U.S. Labor Dept. to establish training programs within fire departments throughout U.S. Pilot program is operating in four cities."--Work Related Abstracts.

Apprenticeship in Other Countries

Bundeskammer der Gewerblichen Wirtschaft, Vienna. Vocational training in AUSTRIA's business enterprises. Vienna, 1977. 30 p.
"Pamphlet on in plant training and apprenticeship programmes in Austria; covers the vocational training system, further training, the role of the Chamber of Commerce in vocational training, etc."--Labordoc abstract.

CANADA. Statistics Canada. Education, Science and Culture Division. Vocational and Continuing Education Section. Publicly-supported vocational training involving the private sector, 1973-74. Ottawa, Ont., 1976. 98 p.
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Wellens, J. Developments in apprenticeship. (In Industrial and commercial training, Mar. 1978, v.10, p.96-100)
"Article by Hugh Scanlon, president of Britain's Amalgamated Union of Engineering Workers and chairman of Engineering Industry Training Board, in February issue of AUEW Journal, which proposed fundamental changes in engineering apprenticeship, is discussed."--Work Related Abstracts.

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"Sophisticated machinery and improved methods have reduced number of hands needed to run farms, but higher standards are required of remaining workers. History of farming apprenticeship in U.K. and new plan of Britain's Agricultural Training Board are described."--Work Related Abstracts.

International Labor Organization. Organisation de l'apprentissage, GRE/72/005, Grèce [GREECE]: résultats du projet et recommandations en découlant; rapport établi pour le gouvernement grec / par l'Organisation internationale du travail en tant qu'organisation chargée de l'exécution du projet pour le compte du Programme des Nations Unies pour le développement. Genève, Programme des Nations Unies pour le développement; Organisation internationale du travail, 1976. 75 p. HD7803.8.G6I5

Yao, Raymond. Industry gets a training charter. (In Far Eastern economic review, Aug. 13, 1976, v.93, p.11)
About a new Ordinance in HONG KONG regulating apprenticeships there.

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"Interview survey of trainee attitudes toward various training methods after the first year of apprenticeship in the Dublin urban area. Compares apprentices' perceptions of and satisfaction with off-the-job training, day or block release, and traditional in-plant training."--Labordoc abstract.

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Borus, Michael E. A cost-effectiveness comparison of vocational training for youth in developing countries: a case study of four training modes in ISRAEL. (In Comparative education review, Feb. 1977, v.21, p.1-13)
"Economic returns associated with the cost incurred for different types of vocational training: vocational secondary schools, industrial schools, apprenticeships and short courses."--PAIS.

Estgen, Nicolas. Apprenticeships in the Grand Duchy of LUXEMBOURG. Brussels, European Communities, 1977. 149 p. (Social policy series, no.31)
"Study investigating the conditions and prospects of apprenticeship in Luxembourg; describes the present system of vocational training and principles of the labour contract, discusses school guidance, vocational guidance, adult education services, etc., and includes opinions and criticisms relevant to educational reform in technical education."--Labordoc abstract.

Mabawonku, Adewale F. The role of apprenticeship training in the small-scale industrial subsector of Western NIGERIA. East Lansing, Mich., 1977. 159 p.
Thesis - Michigan State University.
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Films

The apprentice. [Motion picture] U.S. Employment and Training Administration [1976?]
25 min. sd. color. 16 mm.
"...particularly appropriate for showing to young people who may be interested in entering the skilled trades."--ETA interchange, Feb. 1978, p.2.
Prints may be borrowed free from regional offices of the U.S. Bureau of Apprenticeship and Training. Videotape copies are also available free from the ETA Clearinghouse to persons providing new tape stock for replacement.

Apprenticeship film has prettier faces. (In ETA interchange, Feb. 1978, v.4, p.2)
Describes a new ETA film, "The Apprentice," which promotes apprenticeship and portrays new directions and applications of apprenticeship. Information on availability of the film is given.

The sky's the limit. [Motion picture] U.S. Employment and Training Administration, 1976.
20 min. sd. b&w. 16 mm.
"Purpose - to discuss women in apprenticeship programs. Content - this 20 minute documentary examines three women in apprentice programs in private industry - a pipefitter, an electrician, and a machinist. It features on-location interviews with the women and with their co-workers. The presentation is sponsored by the Bureau of Apprenticeship and Training."--Index to Employment and Training Materials abstract.

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